

2018

# The Oregon Commercial Nearshore Fishery Data Update



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Photo: ODFW Marine Reserves

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## Introduction

This document updates the 2017 Commercial Nearshore Fishery Data Update (Rodomsky *et al.* 2017) with data and management details through 2018. For more detailed narratives and summaries from previous years see “finfish reports” on the Oregon Department of Fish and Wildlife Marine Resources Program publications page<sup>1</sup>.

Oregon’s nearshore waters support a limited-entry commercial fishery that targets rocky reef associated groundfish species (Table 1). Here summarized, in tables and figures, are data from the 2018 commercial nearshore fishery including management goals, harvest specifications, fishing effort, landed poundage, nominal ex-vessel value, fishery-dependent biological data, and compliance with the commercial nearshore logbook requirement. Also included is a brief narrative on 2018 fishery management actions. To maintain individual confidentiality as some ports have small numbers of participating vessels, data from Garibaldi and Astoria are combined and presented in the Garibaldi port group, data from Depoe Bay and Newport are combined in the Newport port group, and data from Winchester Bay, Charleston and Bandon are combined in the Bandon port group. Although fishers sometimes use more than one gear type during a trip, landings in this document are summarized by the primary gear used during the trip that is recorded on Oregon commercial fish receiving tickets (fish tickets).

## Fishery Management and Harvest Specification Updates

Fishery managers from the Oregon Department of Fish and Wildlife (the Department) set specific management goals at the outset of 2018 to maintain a sustainable fishery from both a natural resources and a socio-economic perspective. Commercial fishers and other interested parties have the opportunity to provide input on these management goals at a series of public meetings held by the Department each fall, or can provide testimony directly to the Commission when regulations are adopted. Largely based on public input, the primary goal for 2018 was to provide fishing opportunities throughout the calendar year without exceeding State annual commercial harvest guidelines (HG) or allowable impacts to Yelloweye Rockfish (*Sebastes ruberrimus*), a stock that is rebuilding after being declared overfished.

Commercial HGs are harvest limit regulations that are not quotas but serve to control fleetwide impacts to the fishery. The attainment of a HG does not necessarily cap fishery impacts. Harvest guidelines are implemented in Oregon regulations to allocate harvest among sport and commercial fisheries within federal Annual Catch Limits (ACLs), which are derived from stock assessments, without exceeding those limits. Harvest guidelines differ from harvest caps and landing caps implemented in historical regulations in that attainment of a cap results in fishery shutdown. Harvest guidelines are established in State rule through the Oregon Fish and Wildlife Commission process by splitting ACLs among Oregon’s commercial and recreational sectors based on historical catch. For 2018, the State adopted individual commercial HGs for each of Black Rockfish, Greenling, Cabezon and Other Nearshore/Blue/Deacon Rockfish, combined.

Commercial HG amounts for 2018 are listed in Table 2 with fishery quotas from 2017 and prior in Appendices A & B. No HG exists for Other Nearshore Species though the daily trip limit applies. In general, HGs remain unchanged unless new information suggests an ACL should be adjusted. For most species, ACLs and therefore HGs are adjusted every two years. These adjustments result from new or updated stock assessments, harvest control rules that automatically reduce harvest rates as a stock is fished down, and reductions due to scientific uncertainty which increases with the age of an

assessment. ACL adjustments recommended by stock assessments often decrease through time from the initial assessment ACL as stock biomass is fished down to maximum sustainable yield. State commercial HGs for 2018 Black Rockfish, Other Nearshore/Blue/Deacon Rockfish and Greenling were set based on information from 2015 stock assessments. The Black Rockfish HG dropped ~1% from 2017 to 2018 due to fishing down stock biomass projected in the stock assessment. The 2018 HG for Blue/Deacon/Other Nearshore Rockfish also dropped ~1% due to projected fishing down of the China Rockfish contribution to that complex. The Greenling HG decreased 15% for 2018 for the same reason. The Cabezon HG in 2018 remained constant as it has since 2015. The current Cabezon stock assessment (2009) is stale, and this stock will be assessed again in 2019. Discard mortality for the commercial nearshore fishery was quantified by the Federal West Coast Groundfish Observer Program and summarized in National Oceanic and Atmospheric Administration Fisheries annual reports.

The Department implements six bimonthly periods (Table 3) for which trip limits for 5 species management groups are set for individual permitted vessels (Table 4; Figures 2–6; Appendix C). Bimonthly trip limits allocate catch quota to permitted vessels for these periods to regulate landings of commercial harvest relative to HGs across the calendar year. Trip limits are intended to balance the tradeoff of early HG attainment and fishery closure with providing year-round fishery access. Public input regarding trip limits and other management measures for 2018 was sought both at the annual commercial nearshore fishery meetings held in September 2017 and at the December 2017 Commission meeting. Based on both meeting input and recommendations from the Department, the Commission adopted annual HGs, trip limits, and other fishery regulations for 2018 at the December 2017 Commission meeting. Initial trip limits for 2018 were set at levels similar to 2017 following high attainment the previous year (Rodomsky *et al.* 2018). Exceptions included 300 more pounds for Black Rockfish in Periods 1 & 6, 500 more pounds of Cabezon in Periods 3–5, and 200 more pounds of Greenling across all bimonthly periods in 2018 to increase opportunities for fishers. These trip limits put into effect at the outset of 2018 were intended to require few or no in-season changes and to provide predictable allocations, season lengths, and market supply.

Trip limits can be adjusted up or down, in-season, to allow greater opportunity for reaching HGs or to slow harvest to stay below harvest allocations. After high effort, catch rates and attainment of Black Rockfish and Cabezon in the first two periods of 2018, projections indicated substantial risk for exceeding HGs and the potential need to close or severely curtail these fisheries before the end of the year. Fishery managers consulted industry advisors and decided to decrease Period 3 trip limits for Black Rockfish by 300 pounds (17%) and for Cabezon by 1,000 pounds (40%) to slow landings. ODFW also committed to re-evaluating trip limits before Period 4. That re-evaluation showed Cabezon landings still running high, necessitating a drop in trip limits for Periods 4–6 to 500 pounds. Black Rockfish landings slowed by Period 4 such that no further trip limit reduction was needed. However, landings of Blue and Deacon Rockfish were high, requiring reductions to Blue and Deacon Rockfish and Other Nearshore Rockfish trip limits to keep the fishery open as these species were managed together under a single HG in 2018. For Periods 4–6, Other Nearshore Rockfish trip limits were dropped from 450 to 250 pounds (44%) and Blue/Deacon Rockfish trip limits from 300 to 100 pounds (67%). Other Nearshore Rockfish trip limits were reduced by a smaller proportion than Blue/Deacon Rockfish to maximize fishery ex-vessel value as live Other Nearshore Rockfish are more valuable on a per pound basis (Table 9). By Period 5 landings of Black Rockfish and Greenling slowed to the point that trip limits could be raised without fear of exceeding HGs. For Periods 5–6 trip limits for Black Rockfish were raised from 1,500 to 1,800 pounds (20%) and for Greenlings from 800 to 1,000 pounds (25%). Cabezon landings continued to run high in

Period 5 and effective October 5th, a daily landing limit of 15 pounds per day was implemented for the remainder of the year, along with a trip limit of 45 pounds for Period 6. This trip limit adjustment for Cabezon was the last in-season management action for 2018. The sum total of these in-season adjustments contributed to greater than 90% attainment of Black Rockfish, Blue/Deacon/Other Nearshore Rockfish and Cabezon HGs (Table 10) for the second year in a row, and combined to total the largest landed poundage of commercial nearshore species since 2009 (Figure 10).

### **Acknowledgements**

We thank Troy Buell for review and thoughtful suggestions for improving this document. Nadine Hurtado ensured all fish ticket landings data were accurate and up-to-date. Port biologists and samplers spent long hours in the field collecting biological samples and logbook pages. In addition, appreciation goes out to all the nearshore fishers for their efforts in the commercial nearshore fishery and for providing quality logbook data.

### **Reference**

Rodomsy, B.T., T.R. Calavan and K.C. Lomeli. 2018. The Oregon Commercial Nearshore Fishery Data Update: 2017 (pdf). Oregon Department of Fish and Wildlife Marine Resources Program. 53 pp. [https://www.dfw.state.or.us/MRP/publications/docs/2017\\_Commercial\\_Nearshore\\_Fishery\\_Data\\_Update.pdf](https://www.dfw.state.or.us/MRP/publications/docs/2017_Commercial_Nearshore_Fishery_Data_Update.pdf)

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## Tables

**Table 1.** Fish species on Oregon’s nearshore species list including the State management group under which each is managed.

State Management Group	Common Name	Scientific Name
Black Rockfish	Black Rockfish	<i>Sebastes melanops</i>
Blue & Deacon Rockfish	Blue Rockfish	<i>Sebastes mystinus</i>
	Deacon Rockfish	<i>Sebastes diaconus</i>
Other Nearshore Rockfish	Kelp Rockfish	<i>Sebastes atrovirens</i>
	Brown Rockfish	<i>Sebastes auriculatus</i>
	Gopher Rockfish	<i>Sebastes carnatus</i>
	Copper Rockfish	<i>Sebastes caurinus</i>
	Black & Yellow Rockfish	<i>Sebastes chrysomelas</i>
	Calico Rockfish	<i>Sebastes dalli</i>
	Quillback Rockfish	<i>Sebastes maliger</i>
	China Rockfish	<i>Sebastes nebulosus</i>
	Grass Rockfish	<i>Sebastes rastrelliger</i>
	Olive Rockfish	<i>Sebastes serranoides</i>
	Treefish	<i>Sebastes serripes</i>
Greenling	Kelp Greenling	<i>Hexagrammos decagrammus</i>
	Rock Greeling	<i>Hexagrammos lagocephalus</i>
	Whitespotted Greenling	<i>Hexagrammos stelleri</i>
	Painted Greenling	<i>Oxylebius pictus</i>
Cabezon	Cabezon	<i>Scorpaneichthys marmoratus</i>
Other Nearshore Species	Buffalo Sculpin	<i>Enophrys bison</i>
	Red Irish Lord	<i>Hemilepidotus hemilepiotus</i>
	Brown Irish Lord	<i>Hemilepidotus spinosus</i>
Federal Shelf Rockfish	Vermilion Rockfish	<i>Sebastes minatus</i>
	Tiger Rockfish	<i>Sebastes nigrocinctus</i>

**Table 2.** Harvest guidelines (metric tons) for State management groups for 2018.

Black Rockfish	Blue, Deacon & Other Nearshore Rockfish, combined	Cabezon	Greenling	Other Nearshore Species
124.8	12.9	30.2	144.3	N/A

**Table 3.** Bimonthly cumulative period durations.

Period	Duration
1	January - February
2	March - April
3	May - June
4	July - August
5	September - October
6	November - December

**Table 4.** Bimonthly trip limits for commercial nearshore State management groups set at the outset of 2018. In-season trip limit changes with realized limits are depicted in *italics*.

Management Group	Period(s)	2018 Outset Limit - pounds ( <i>in-season change</i> )
Black Rockfish	1	1,500
	2	1,500
	3	1,800 ( <i>1,500</i> )
	4	1,800
	5-6	1,500 ( <i>2,100</i> )
Blue & Deacon Rockfish	1-2	300
	3-6	300 ( <i>100</i> )
Other Nearshore Rockfish	1-2	450
	3-6	450 ( <i>250</i> )
Greenling	1-4	800
	5-6	800 ( <i>1,000</i> )
Cabezon	1-2	2,000
	3	2,500 ( <i>1,500</i> )
	4-5	2,500 ( <i>500</i> )
	Oct 5	<i>15/day</i>
	6	2,000 ( <i>45/period; 15/day</i> )



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**Table 5.** Summary of 2018 length samples (inches) from the Oregon commercial nearshore fishery.

Species	Sample Size	Average Length (in)	Range	95% C.I. ( $\pm$ )
Black & Yellow Rockfish	1	12.2	12.2	N/A
Black Rockfish	5,105	15.5	10.2–22.4	0.0
Blue Rockfish	65	12.2	9.4–16.1	0.4
Cabezon	752	20.4	11.0–27.2	0.2
China Rockfish	541	13.6	8.7–17.3	0.1
Copper Rockfish	112	16.8	12.2–21.3	0.4
Deacon Rockfish	383	13.1	9.4–20.5	0.2
Gopher Rockfish	5	13.5	12.2–15.0	1.0
Grass Rockfish	1	13.8	13.8	N/A
Kelp Greenling	1,239	14.6	10.2–17.7	0.1
Quillback Rockfish	202	14.4	11.4–20.1	0.3
Tiger Rockfish	13	16.2	14.6–18.1	0.6
Vermilion Rockfish	123	19.8	13.4–25.6	0.4

**Table 6.** Summary of 2018 weight samples (pounds) from the Oregon commercial nearshore fishery.

Species	Sample Size	Average Weight (lbs)	Range	95% C.I. ( $\pm$ )
Black & Yellow Rockfish	1	1.5	1.5	N/A
Black Rockfish	5,075	2.4	0.5–6.0	0.0
Blue Rockfish	65	1.4	0.6 – 3.1	0.1
Cabezon	737	5.9	0.9–14.5	0.2
China Rockfish	540	2.1	0.7–3.8	0.0
Copper Rockfish	112	3.6	1.1–6.6	0.2
Deacon Rockfish	383	1.6	0.4–3.7	0.1
Gopher Rockfish	4	2.0	1.6–2.5	0.4
Grass Rockfish	1	2.1	2.1	N/A
Kelp Greenling	1,236	1.7	0.8–3.2	0.0
Quillback Rockfish	202	2.4	0.9–5.3	0.1
Tiger Rockfish	13	3.3	2.5–4.6	0.3
Vermilion Rockfish	123	5.6	1.6–11.5	0.4

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**Table 7.** 2018 logbook program compliance by port group including open access lingcod trip logs.

<b>Port</b>	<b>Trips Fished</b>	<b>Trips with no Log</b>	<b>Compliance</b>
Garibaldi group	374	17	97.7 %
Pacific City	262	18	94.9 %
Newport group	280	39	94.6 %
Bandon group	163	17	90.6 %
Port Orford	1,083	96	91.9 %
Gold Beach	275	0	100.0 %
Brookings	240	1	99.6 %
Total	2,684	153	94.6 %

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**Table 8.** Summary of commercial nearshore logbook reported retained (Ret.) and released (Rel.) fish (pounds) by species and period in 2018. Rockfish is abbreviated as RF in species names.

Species	Period 1		Period 2		Period 3		Period 4		Period 5		Period 6		Annual Totals	
	Rel.	Ret.	Rel.	Ret.	Rel.	Ret.	Rel.	Ret.	Rel.	Ret.	Rel.	Ret.	Rel.	Ret.
Big Skate	0	0	0	0	0	0	0	0	0	83	0	0	0	83
Black-and-Yellow RF	0	3	0	2	0	1	0	0	0	2	0	0	0	8
Black RF	227	18,277	572	44,350	726	48,544	723	56,501	517	49,036	450	31,440	3,215	248,148
Blackgill RF	0	0	0	2	0	4	4	0	0	0	0	0	4	6
Blue RF	274	676	376	1358	458	717	654	1,419	1,009	1,623	505	1,372	3,276	7,165
Bocaccio	0	0	0	0	0	394	0	376	0	13	0	0	0	783
Cabezon	243	7,503	292	14,099	494	15,445	444	10,304	1,011	9,290	4,012	1,277	6,496	57,918
Canary RF	32	600	30	873	26	1,089	78	1,480	32	992	28	555	226	5,589
China RF	204	902	178	870	168	2,012	259	2,715	375	2,974	343	1,737	1,527	11,210
Chinook Salmon	0	0	0	0	0	10	0	0	0	0	0	0	0	10
Coho Salmon	1	0	0	0	0	0	62	0	25	0	5	0	93	0
Copper RF	0	175	19	311	55	776	19	755	4	524	10	273	107	2,814
Deacon RF	0	0	0	0	0	6	0	5	0	2	0	0	0	13
Giant Pacific Octopus	0	0	0	533	0	1,308	0	0	0	91	0	0	0	1,932
Gopher RF	0	3	1	5	0	11	0	20	2	20	0	8	3	67
Grass RF	0	4	8	4	0	5	0	128	0	33	0	4	8	178
Greenlings	0	2	0	0	0	0	0	0	0	0	0	3	0	5
Greenspotted RF	0	0	5	31	0	0	0	0	0	0	0	0	5	31
Jack Mackerel	0	0	0	0	2	0	0	0	0	0	0	0	2	0
Kelp Greenling	127	2,916	248	6,039	167	5,410	368	8,724	397	9,820	285	4,420	1,592	37,329
Lingcod	8,454	13,600	9,881	29,400	2,738	40,214	2,721	37,651	2,307	34,547	3,965	27,981	30,111	183,393
Longnose Skate	0	107	0	4	0	0	0	0	0	0	0	0	0	111
Mackerels	0	0	0	0	0	0	0	0	0	4	0	0	0	4
Nominal Shelf RF	0	0	0	0	0	0	0	0	0	73	0	0	0	73
Olive RF	0	6	0	8	0	0	0	1	0	1	0	3	0	19
Pacific Halibut	0	0	0	0	50	0	0	0	40	0	0	0	90	0
Quillback RF	16	335	23	381	28	847	63	916	104	791	73	457	307	3,727
Red Irish Lord	2	3	0	0	0	0	4	0	3	0	1	0	10	3
Rock Sole	0	0	0	0	0	0	0	0	0	3	0	0	0	3
Rosy RF	0	0	0	0	0	4	0	0	0	0	0	0	0	4

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Table 8. continued Species	Period 1		Period 2		Period 3		Period 4		Period 5		Period 6		Annual Totals	
	Rel.	Ret.	Rel.	Ret.	Rel.	Ret.	Rel.	Ret.	Rel.	Ret.	Rel.	Ret.	Rel.	Ret.
Rosy Rockfish	0	0	0	0	0	4	0	0	0	0	0	0	0	4
Salmon	0	0	0	0	0	0	0	0	6	0	0	0	6	0
Sand Sole	0	0	0	0	0	0	1	0	0	0	0	0	1	0
Sculpins	0	0	0	0	0	0	1	0	0	0	0	0	1	0
Skates	0	0	0	35	10	147	0	90	0	174	0	0	10	446
Starry Flounder	0	0	0	0	0	0	0	3	0	0	0	0	0	3
Surfperches	0	4	0	0	0	0	0	0	0	5	0	2	0	11
Tiger RF	0	40	0	10	7	125	0	78	0	107	0	100	7	460
Unknown Species	0	0	0	0	0	0	0	7	0	2	0	0	0	9
Vermilion RF	1	748	0	664	29	978	3	1,188	54	1,264	20	609	107	5,451
Widow RF	0	0	0	2	0	0	0	1	2	2	0	11	2	16
Wolf-Eel	0	8	0	43	0	39	0	48	0	130	0	14	0	282
Yelloweye RF	12	0	41	0	113	7	130	0	132	8	10	0	438	15
Yellowmouth RF	0	0	4	0	0	0	0	0	0	0	0	0	4	0
Yellowtail RF	21	31	51	148	57	580	60	435	66	324	150	231	405	1,749
Period Totals	9,614	45,943	11,729	99,172	5,173	118,673	5,594	122,845	6,086	111,938	9,857	70,497	48,053	569,068

## The Oregon Commercial Nearshore Fishery Data Update: 2018

**Table 9.** Total pounds (lbs) landed, total ex-vessel value, and average prices of live and fresh fish by species in 2018.

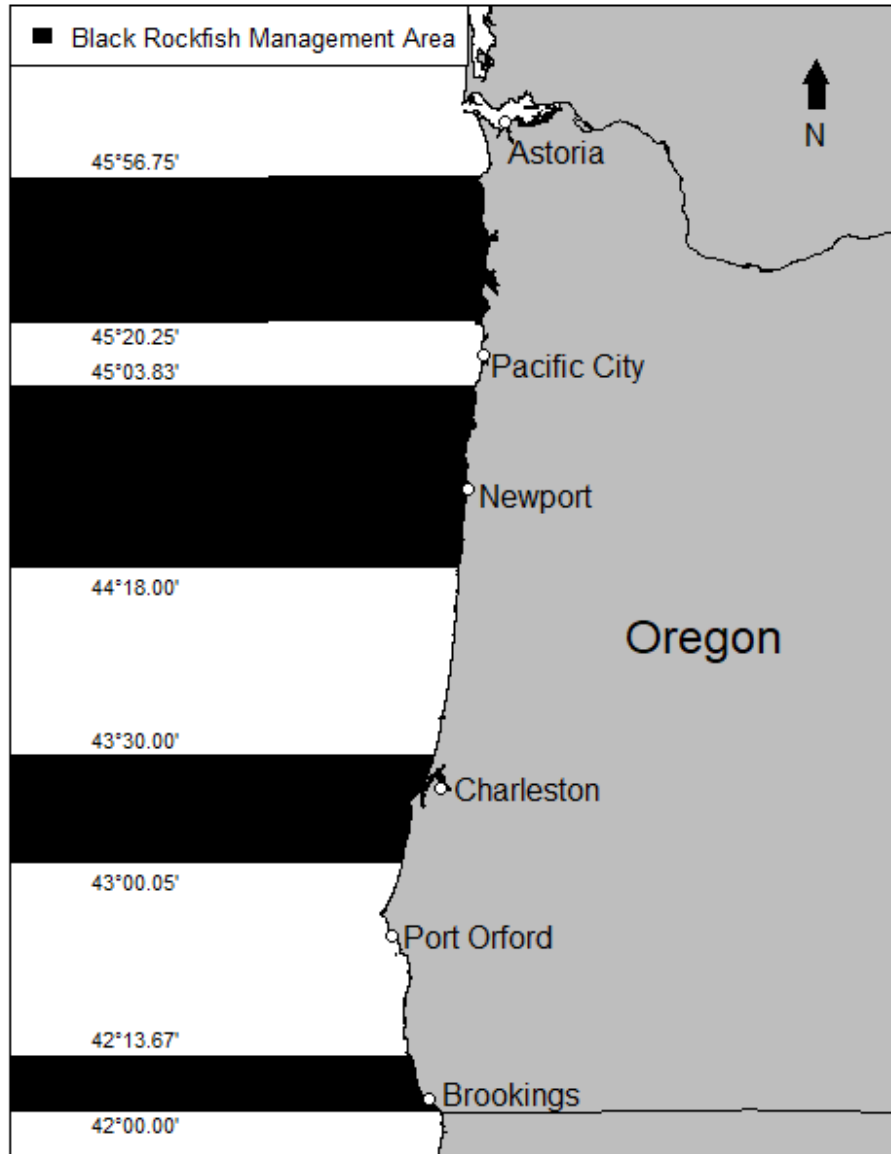
Species	Live lbs	Fresh lbs	Live Value \$	Fresh Value \$	Avg. Live Price \$	Avg. Fresh Price \$
Black Rockfish	149,581	119,713	390,838.15	204,753.19	2.61	1.71
Blue & Deacon Rockfish	1,104	6,426	3,413.05	9,083.90	3.09	1.41
Cabezon	59,164	5,472	225,703.60	8,517.40	3.81	1.56
Greenling	38,456	1,065	190,005.10	1,307.25	4.94	1.23
Black & Yellow Rockfish	7	15	47.25	27.00	6.75	1.80
Brown Rockfish	N/A	58	N/A	96.10	N/A	1.66
China Rockfish	10,409	1,673	71,453.38	2,280.00	6.86	1.36
Copper Rockfish	2,345	990	10,585.25	1,544.45	4.51	1.56
Gopher Rockfish	71	16	354.00	18.00	4.99	1.12
Grass Rockfish	107	78	755.75	149.00	7.06	1.91
Kelp Rockfish	N/A	2	N/A	3.90	N/A	1.95
Olive Rockfish	6	28	12.00	42.00	2.00	1.50
Quillback Rockfish	2,796	1,305	13,594.80	1,920.74	4.86	1.47
Buffalo Sculpin	2	N/A	4.00	N/A	2.00	N/A
Red Irish Lord	4	N/A	12.50	N/A	3.12	N/A
Tiger Rockfish	408	259	2,287.25	413.85	5.61	1.60
Vermilion Rockfish	1,212	5,584	6,092.25	8,028.22	5.03	1.44
<b>All Species Combined</b>	<b>265,672</b>	<b>142,684</b>	<b>915,158.33</b>	<b>238,185.00</b>	<b>3.44</b>	<b>1.67</b>

**Table 10.** Number of trips landing nearshore species and pounds landed for State management groups by bimonthly period in 2018.

Period	Trip Count	Black Rockfish	Blue & Deacon Rockfish	Other Nearshore Rockfish	Greenling	Cabezon	Other Nearshore Species
1	219	19,751	707	1,538	3,107	8,016	868
2	400	47,303	1,203	1,706	6,249	15,378	851
3	576	57,141	1,382	4,349	6,736	18,993	1,515
4	506	59,744	1,197	4,912	8,901	10,818	1,524
5	461	52,835	1,647	4,769	10,197	10,026	1,741
6	300	32,657	1,394	2,636	4,331	1,405	980
<b>Total</b>	<b>2,462</b>	<b>269,431</b>	<b>7,530</b>	<b>19,910</b>	<b>39,521</b>	<b>64,636</b>	<b>7,479</b>
<b>Attainment (%)</b>		<b>97.9</b>		<b>96.5</b>	<b>12.4</b>	<b>97.1</b>	<b>N/A</b>

Figures

**Oregon Black Rockfish Management Areas**



**Figure 1.** Black Rockfish Management Areas off Oregon. A daily trip limit of 300 pounds of commercial harvest of Black Rockfish is in effect in these specific geographic areas where extensive recreational harvest occurs.

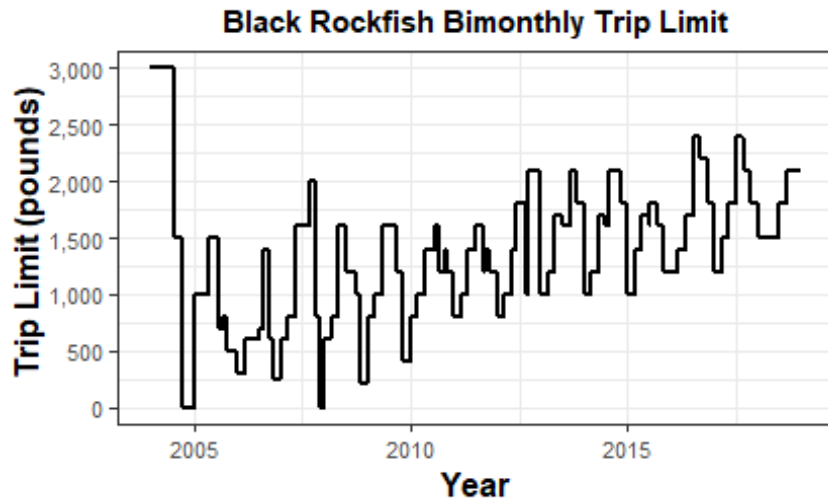


Figure 2. Black Rockfish bimonthly trip limit history.

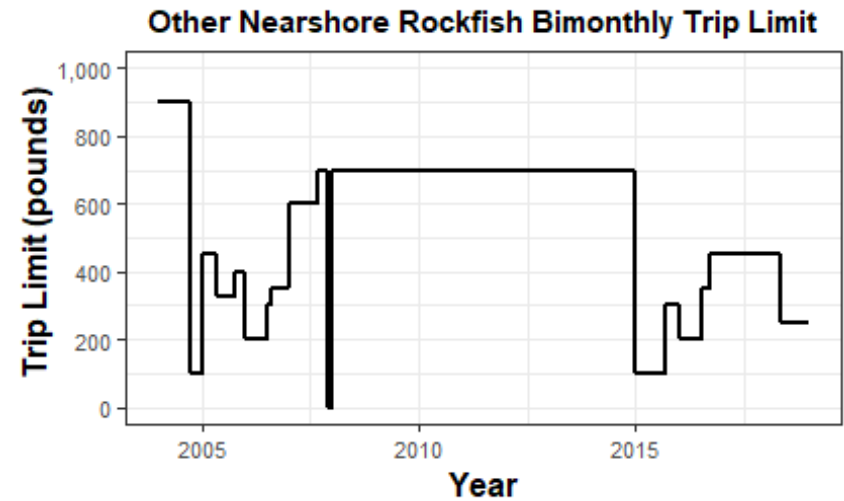


Figure 4. Other Nearshore Rockfish bimonthly trip limit history.

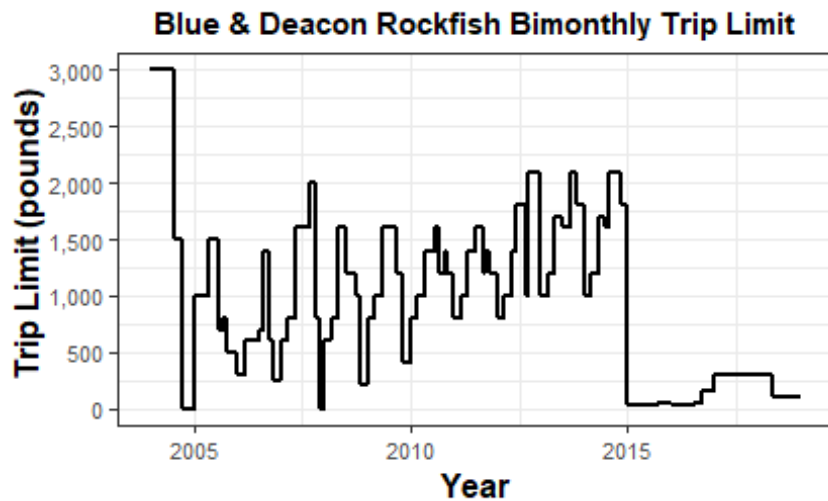


Figure 3. Blue and Deacon Rockfish bimonthly trip limit history. Prior to 2015 this limit was a combined Black/Blue/Deacon Rockfish trip limit.

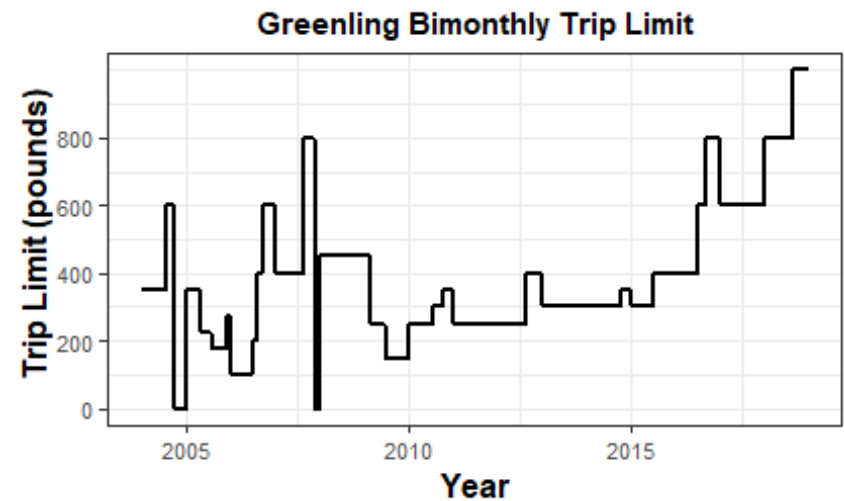


Figure 5. Greenling bimonthly trip limit history.

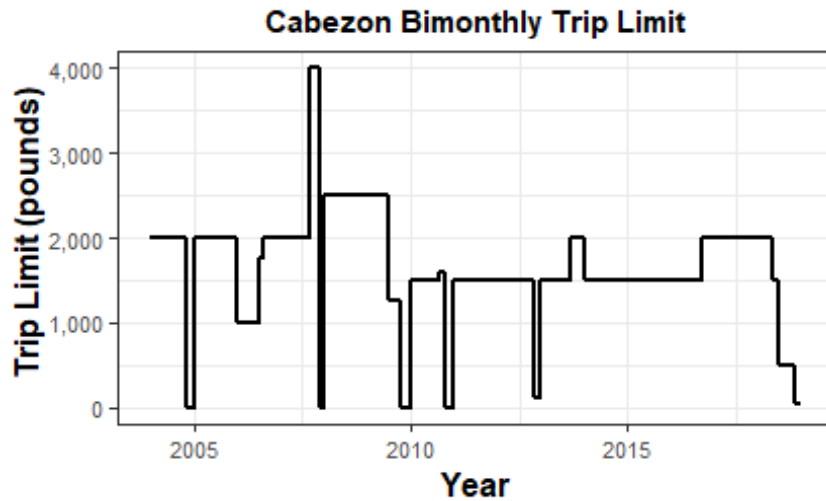


Figure 6. Cabezon bimonthly trip limit history.

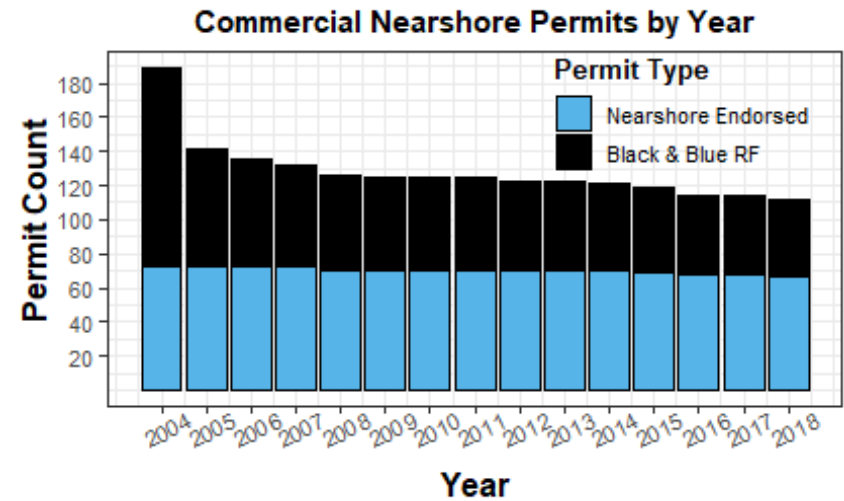


Figure 8. History of commercial nearshore Black and Blue Rockfish permits.

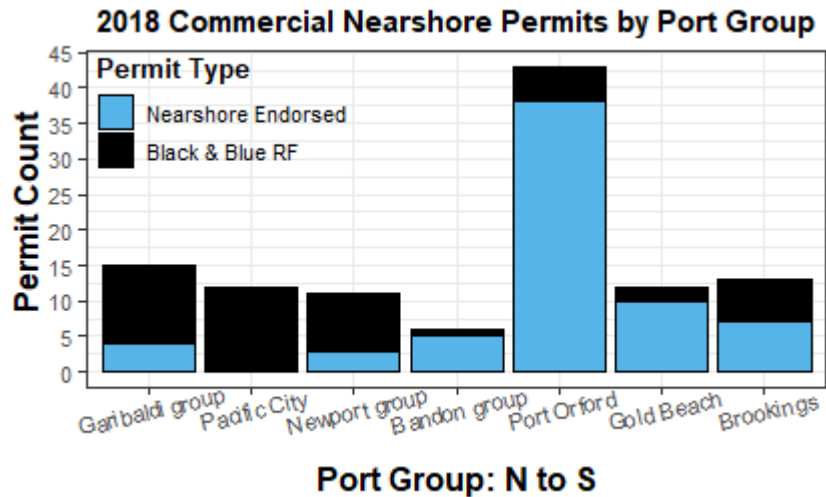


Figure 7. 2018 commercial nearshore Black and Blue Rockfish permits by port group.

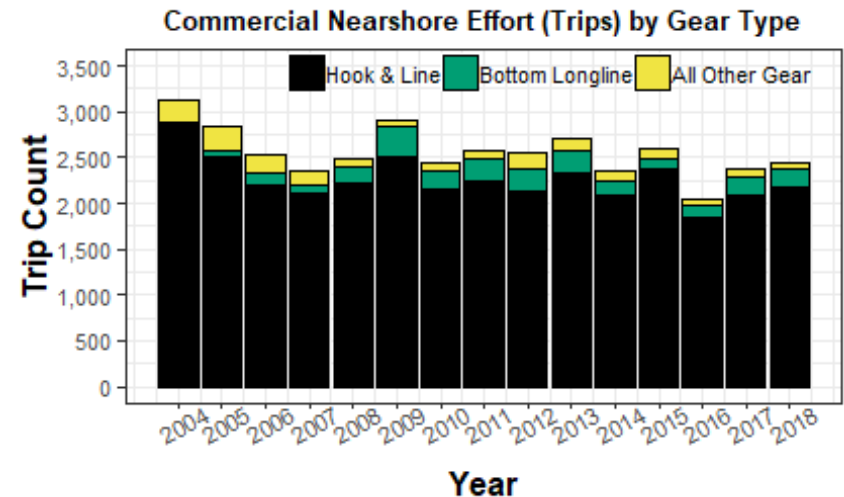
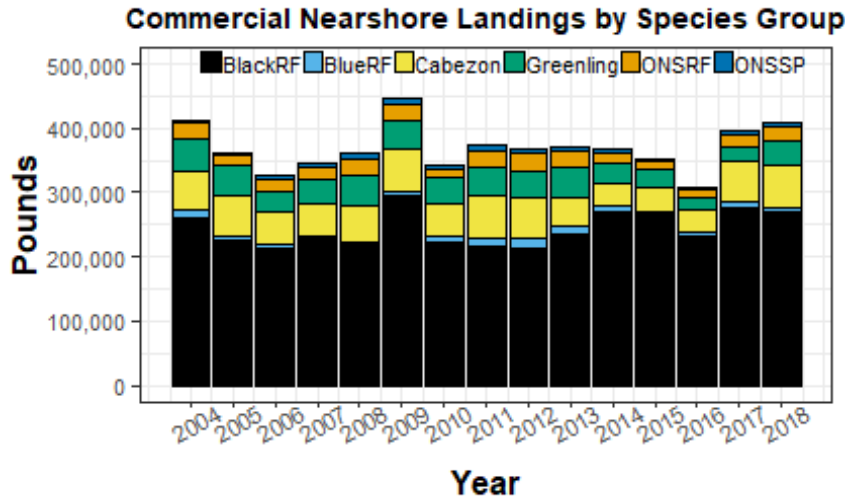
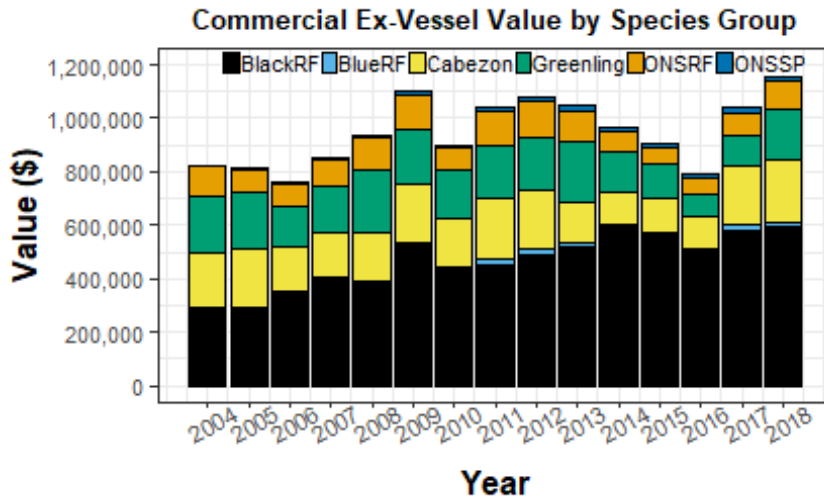


Figure 9. Commercial nearshore fishery effort (day trip) by year and gear type.

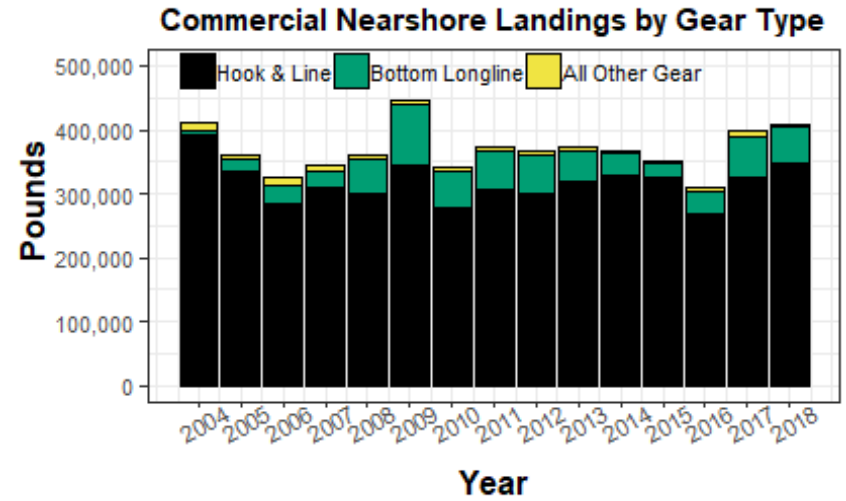




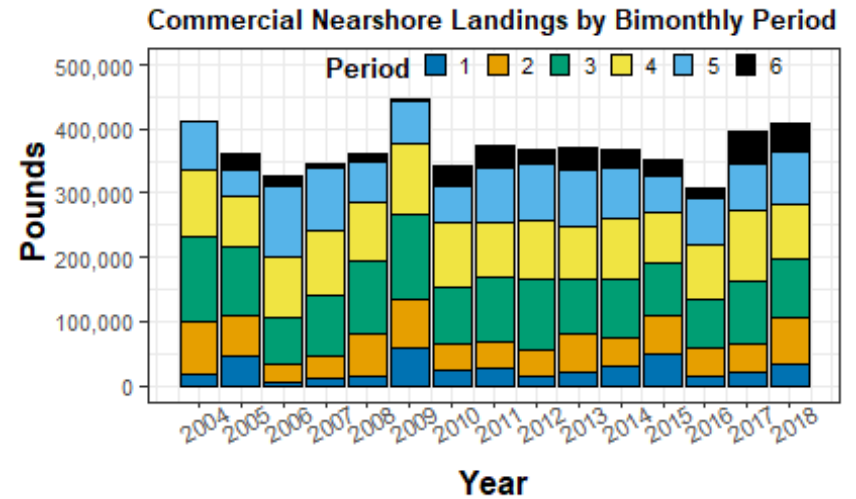
**Figure 10.** Commercial nearshore landings (pounds) by year and species management group.



**Figure 11.** Commercial nearshore landings ex-vessel value (\$) by year and species management group.



**Figure 12.** Commercial nearshore landings (pounds) by year and gear type.



**Figure 13.** Commercial nearshore landings (pounds) by year and bimonthly period.

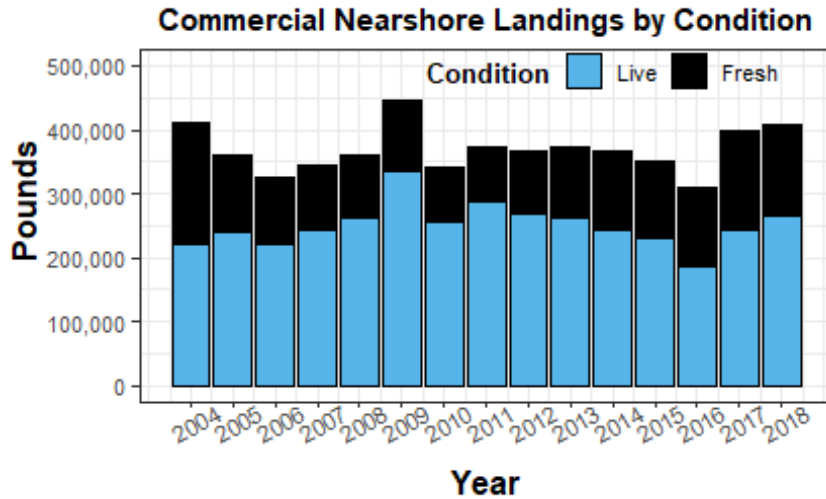


Figure 14. Commercial nearshore landings (pounds) by year and market condition.

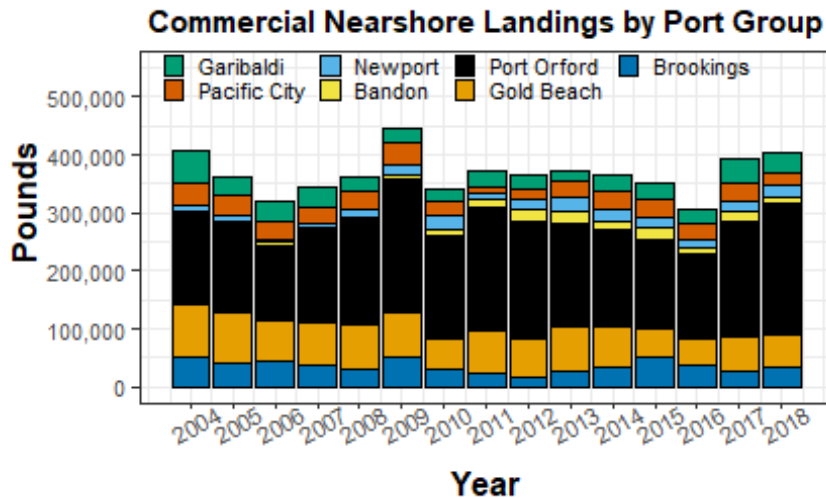


Figure 15. Commercial nearshore landings (pounds) by year and port group.

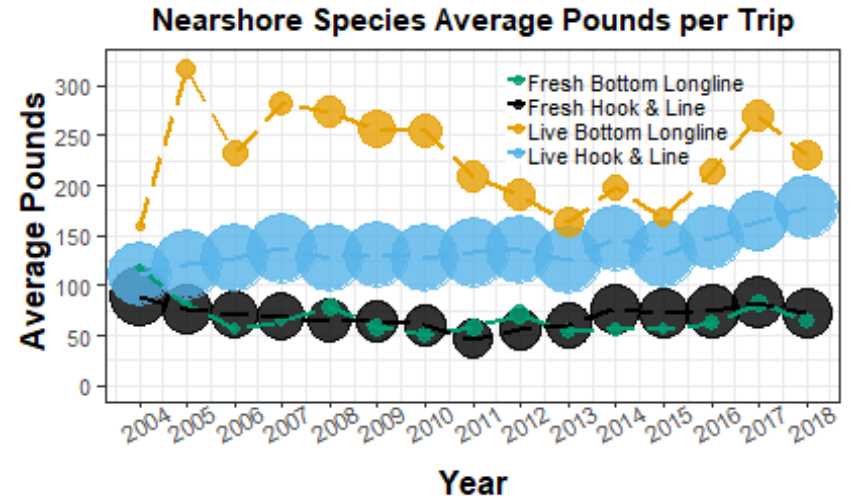


Figure 16. Average pounds landed per trip for all nearshore species combined by year, gear type and market condition. The area of each bubble is weighted by the percentage of pounds landed by each sector.

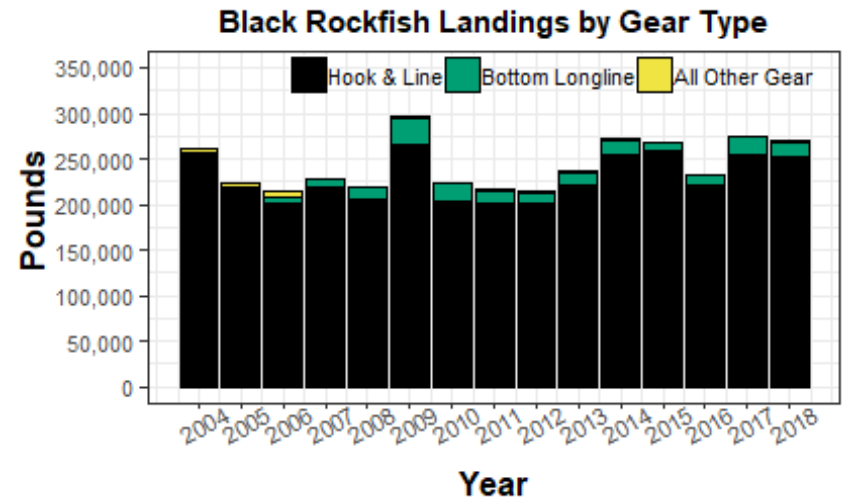


Figure 17. Black Rockfish landings (pounds) by year and gear type.

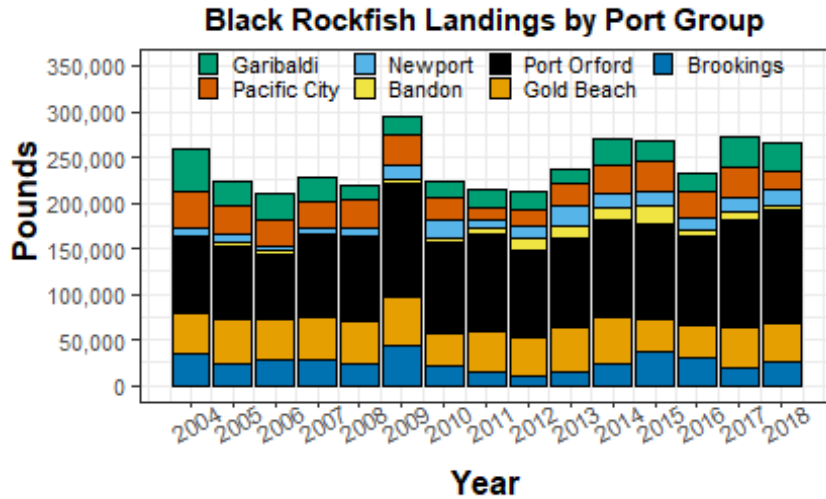


Figure 18. Black Rockfish landings (pounds) by year and port group.

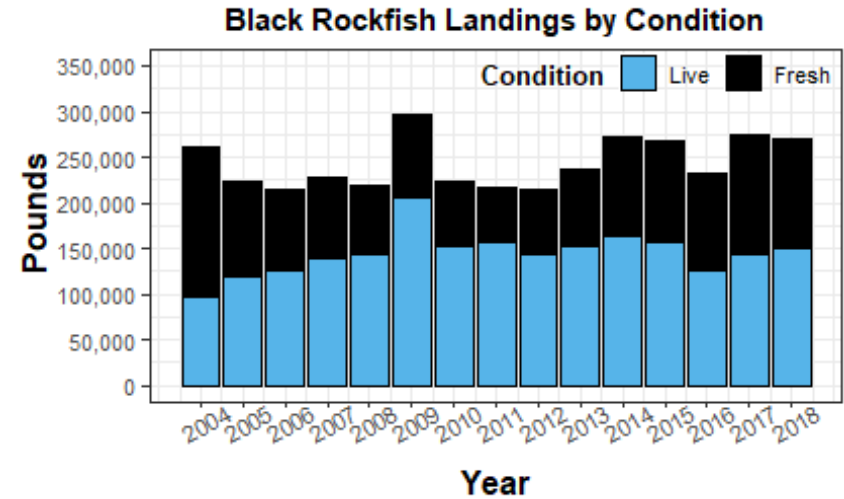


Figure 20. Black Rockfish landings (pounds) by year, species and market condition.

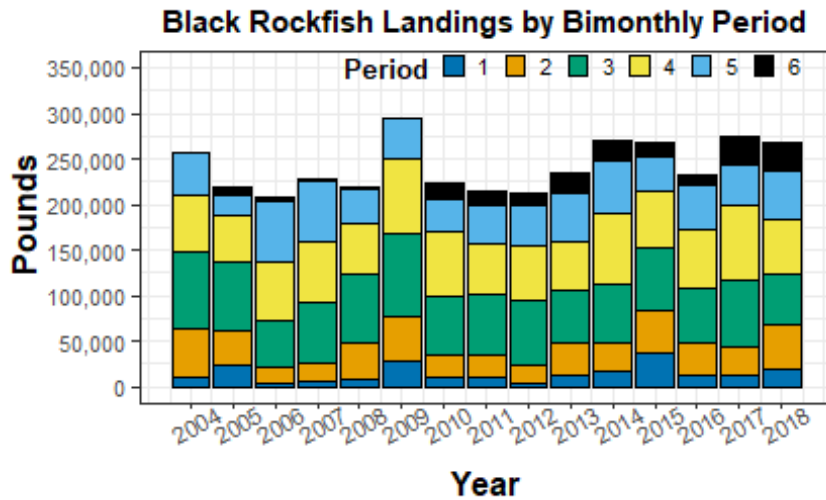


Figure 19. Black Rockfish landings (pounds) by year and bimonthly period.

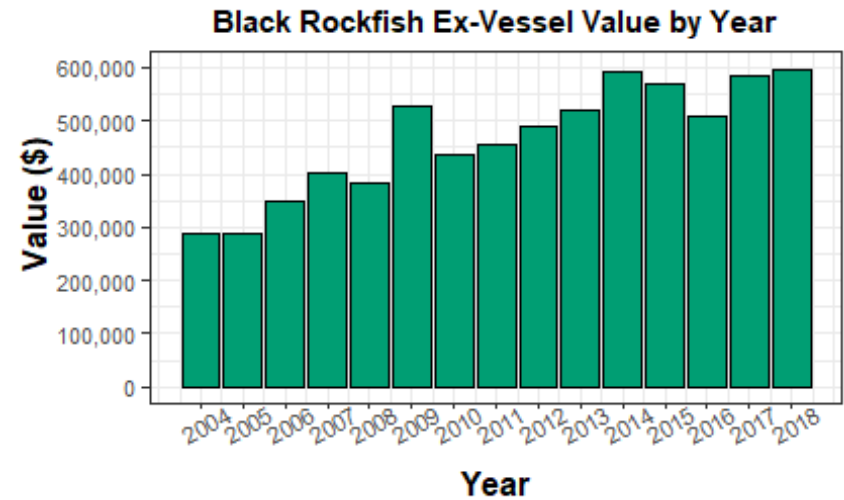
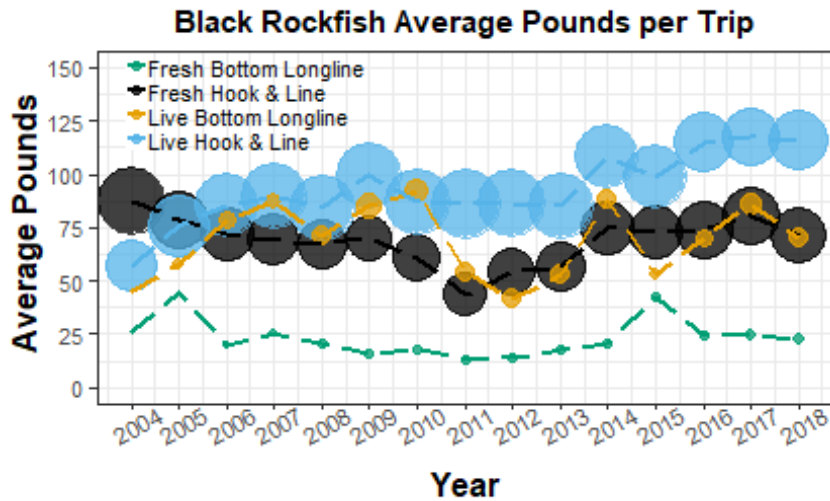
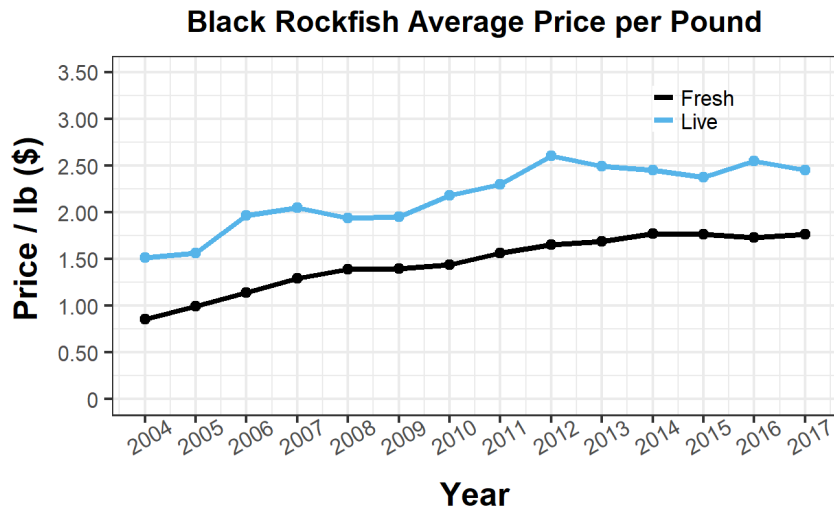


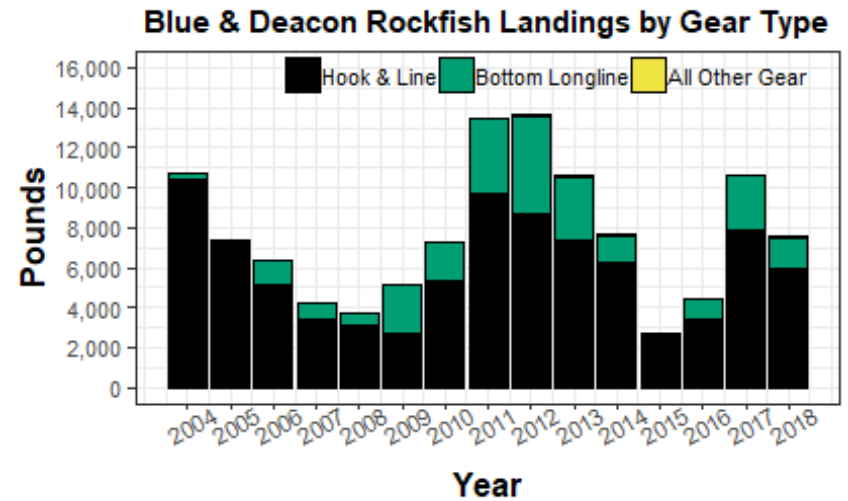
Figure 21. Ex-vessel value (\$) of Black Rockfish by year.



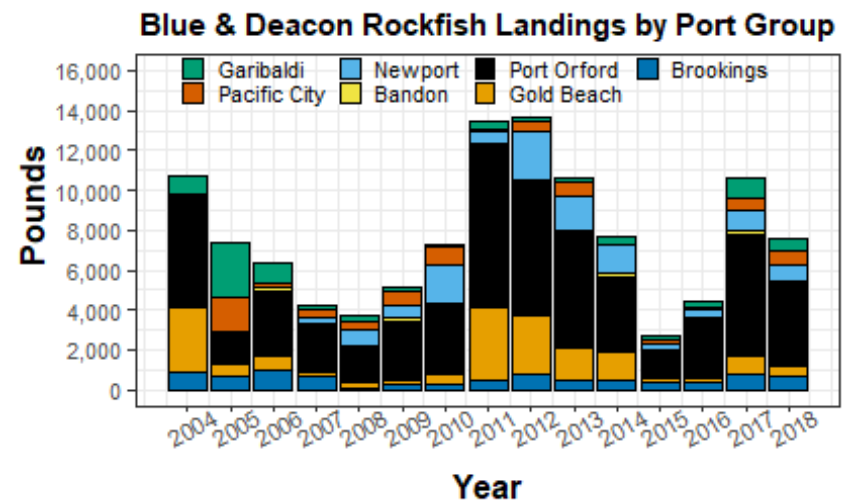
**Figure 22.** Average pounds landed per trip for Black Rockfish by year, gear type and market condition. The area of each bubble is weighted by the percentage of pounds landed by each sector.



**Figure 23.** Black Rockfish average ex-vessel price per pound by year and market condition



**Figure 24.** Blue and Deacon Rockfish landings (pounds) by year and gear type.



**Figure 25.** Blue and Deacon Rockfish landings (pounds) by year and port group.

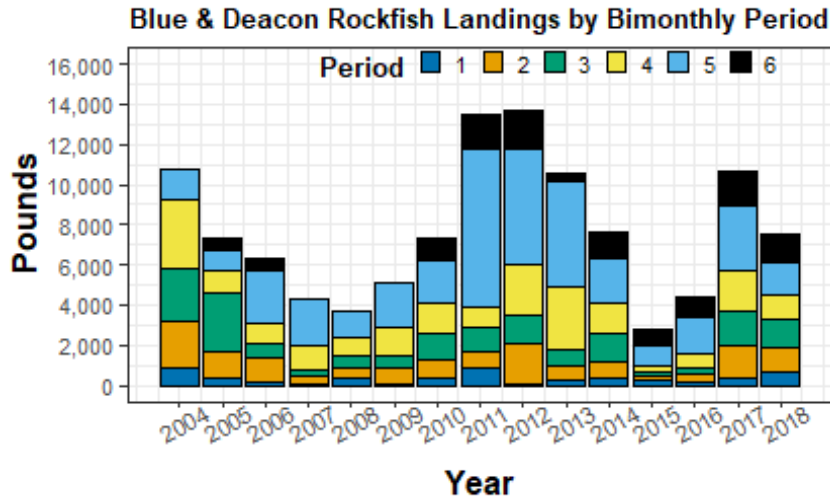


Figure 26. Blue and Deacon Rockfish landings (pounds) by year and bimonthly period.

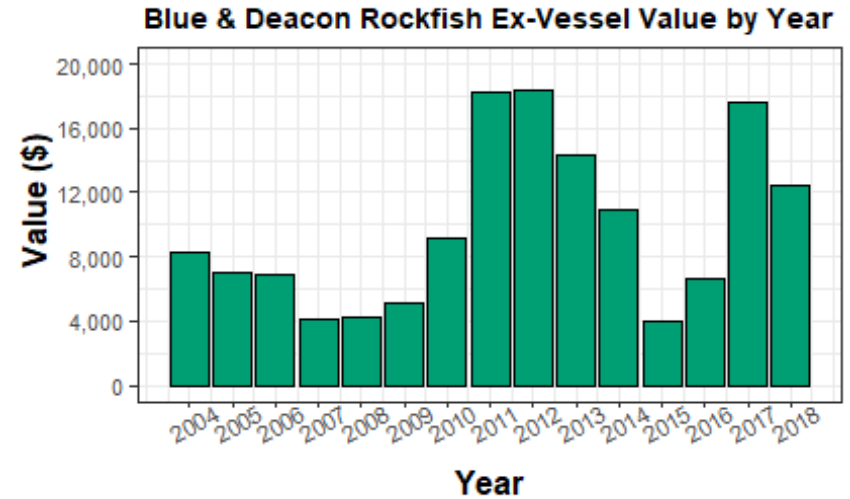


Figure 28. Blue and Deacon Rockfish ex-vessel value.

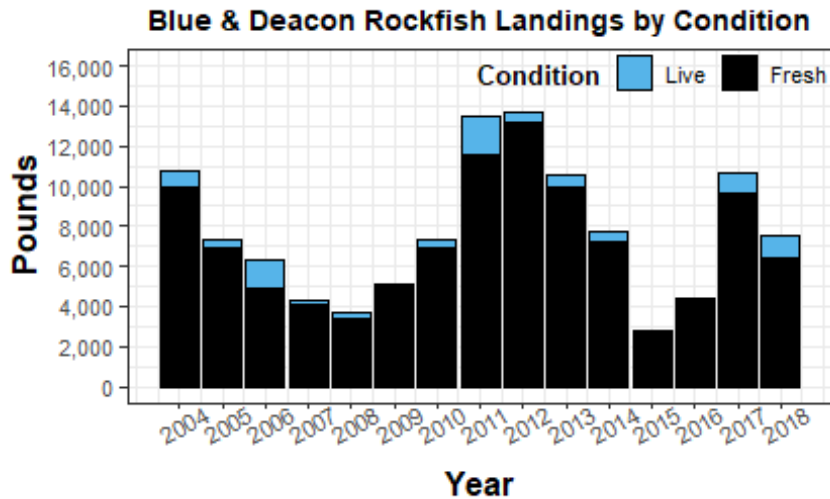


Figure 27. Blue and Deacon Rockfish landings (pounds) by year and market condition.

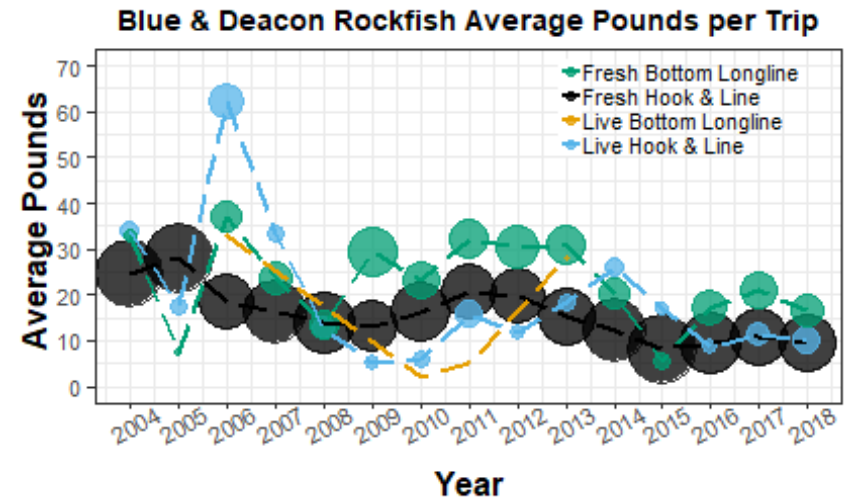
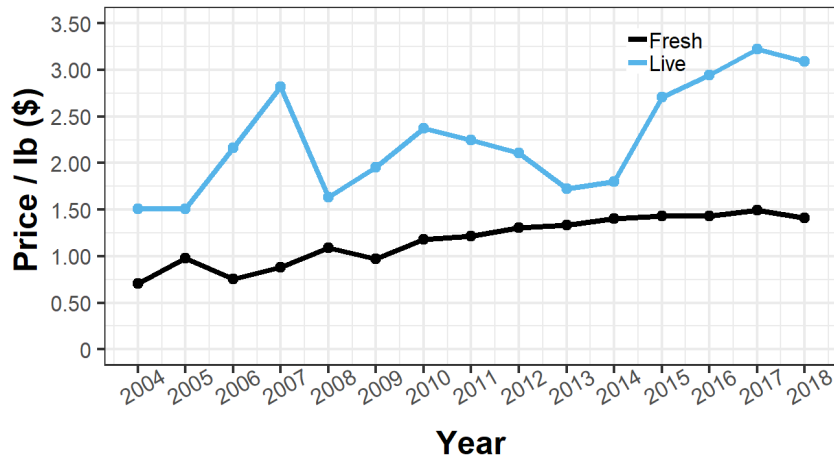


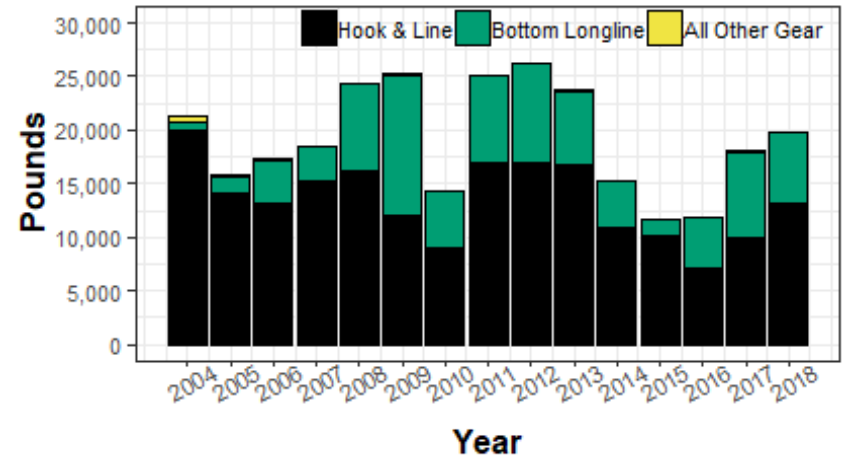
Figure 29. Average pounds landed per trip for Blue and Deacon Rockfish by year, gear type and market condition. The area of each bubble is weighted by the percentage of pounds landed by each sector.

**Blue & Deacon Rockfish Average Price per Pound**



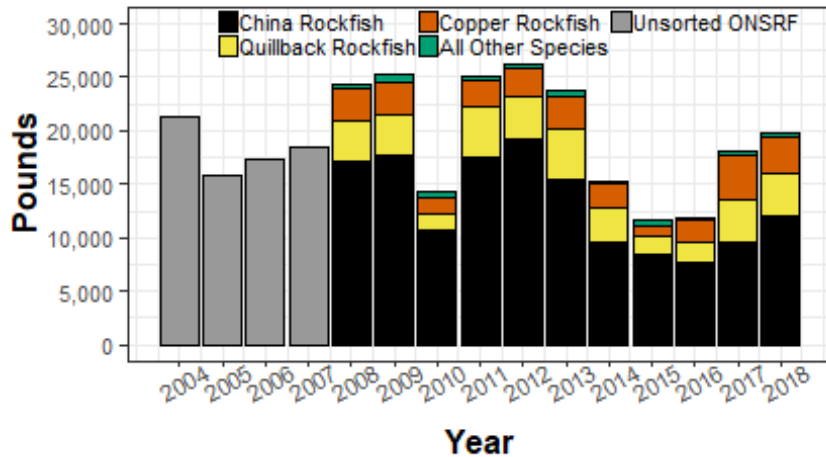
**Figure 30.** Blue and Deacon Rockfish average ex-vessel price per pound by year and market condition.

**Other Nearshore Rockfish Landings by Gear Type**



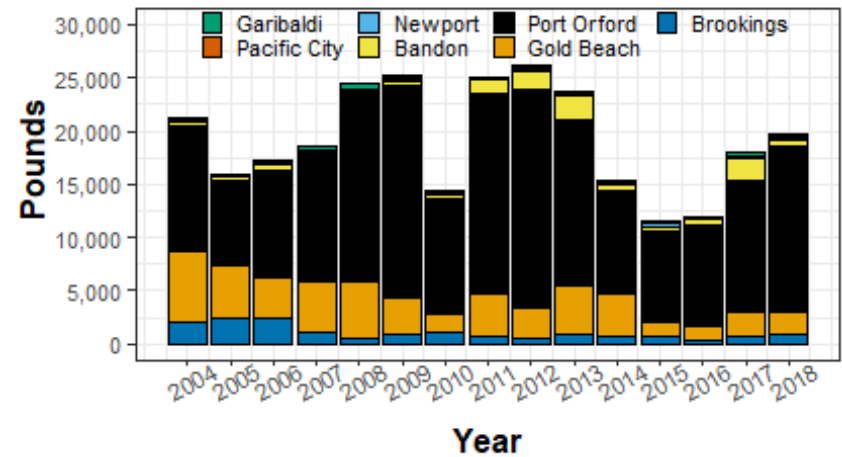
**Figure 32.** Other Nearshore Rockfish landings (pounds) by year and gear type.

**Other Nearshore Rockfish (ONSRF) Landings by Species**



**Figure 31.** Other Nearshore Rockfish landings (pounds) by year and species group. Fishes landed in this species group prior to 2008 were unsorted.

**Other Nearshore Rockfish Landings by Port Group**



**Figure 33.** Other Nearshore Rockfish landings (pounds) by year and port group.

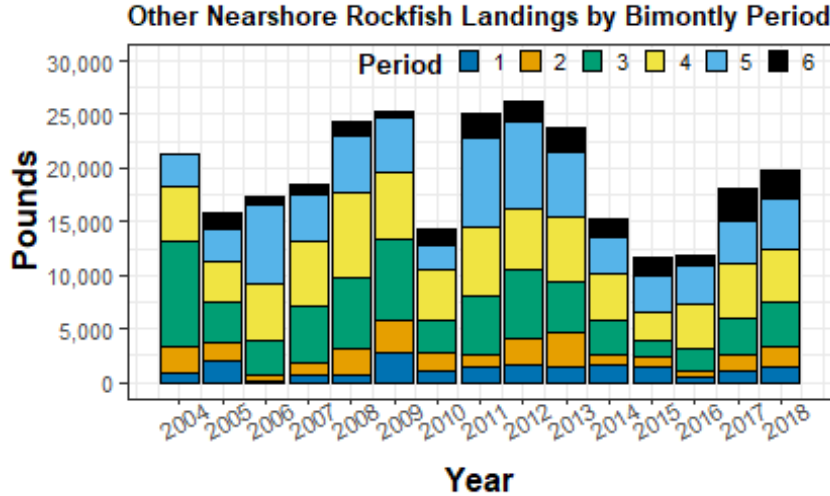


Figure 34. Other Nearshore Rockfish landings (pounds) by year and bimonthly period.

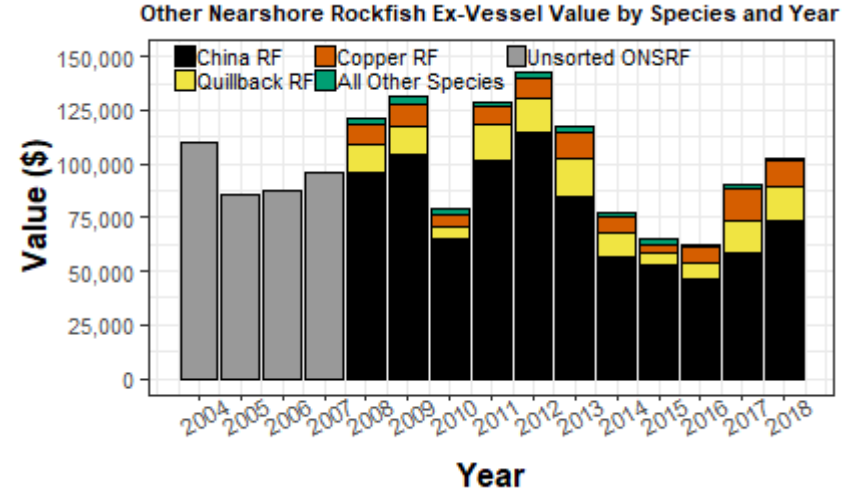


Figure 36. Other Nearshore Rockfish ex-vessel value (\$) by year and species group. Fishes landed in this species group prior to 2008 were unsorted.

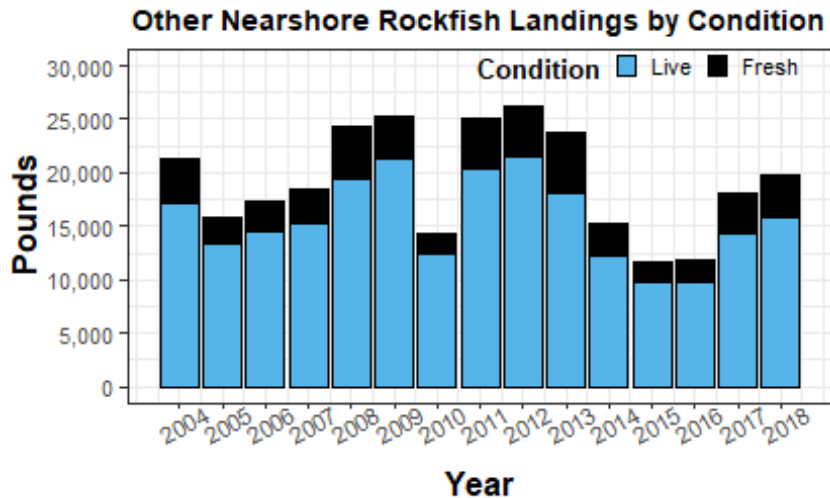


Figure 35. Other Nearshore Rockfish landings (pounds) by year and market condition.

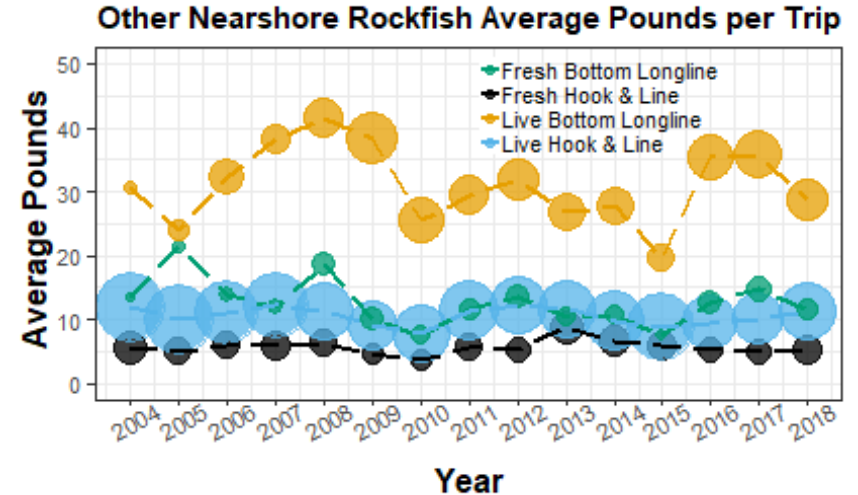
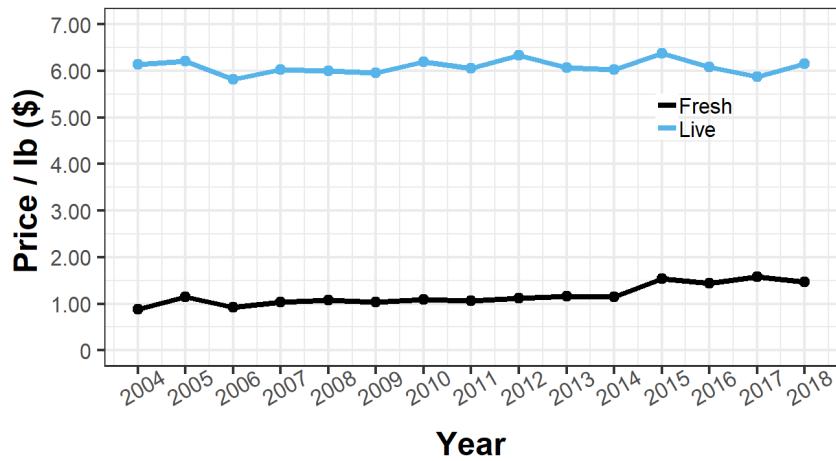


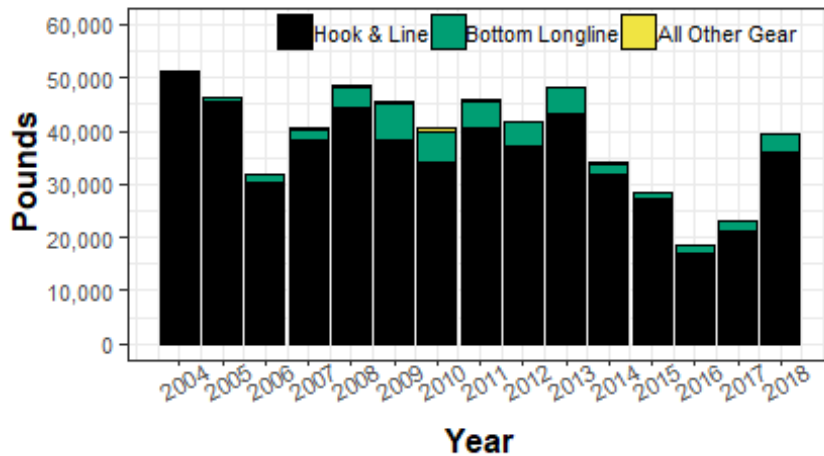
Figure 37. Average pounds landed per trip for Other Nearshore Rockfish by year, gear type and market condition. The area of each bubble is weighted by the percentage of pounds landed by each sector.

**Other Nearshore Rockfish Average Price per Pound**



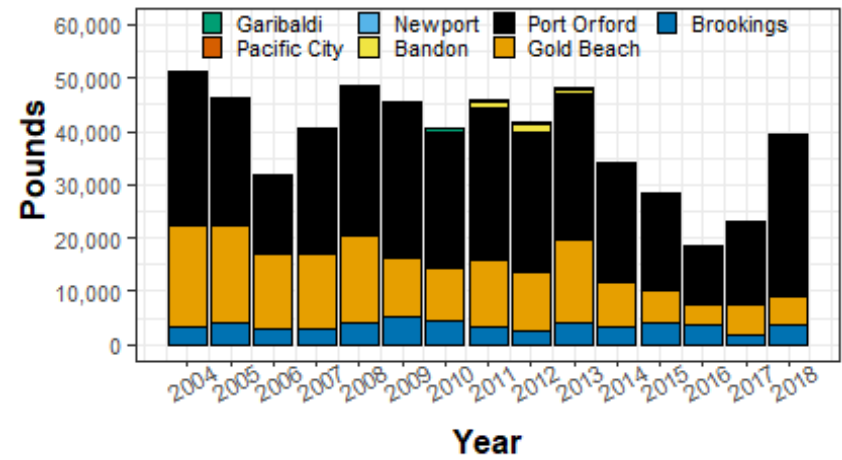
**Figure 38.** Other Nearshore Rockfish average ex-vessel price per pound by year and market condition

**Greenling Landings by Gear Type**



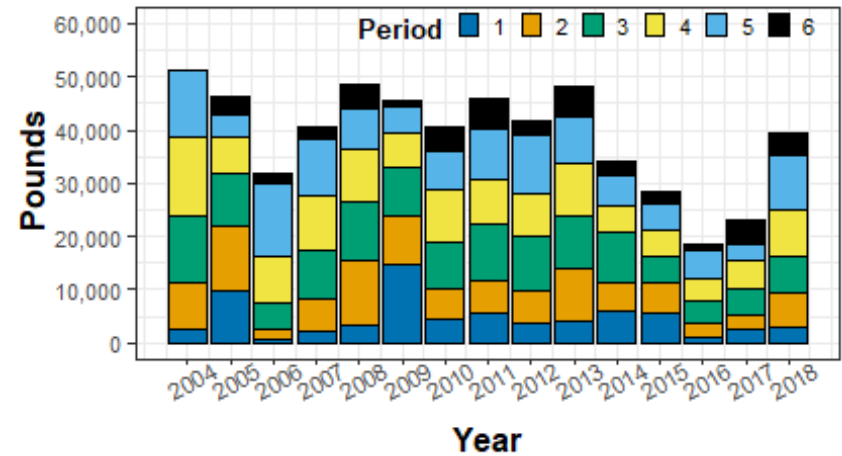
**Figure 39.** Greenling landings (pounds) by year and gear type.

**Greenling Landings by Port Group**



**Figure 40.** Greenling landings (pounds) by year and port group.

**Greenling Landings by Bimonthly Period**



**Figure 41.** Greenling landings (pounds) by year and bimonthly period.



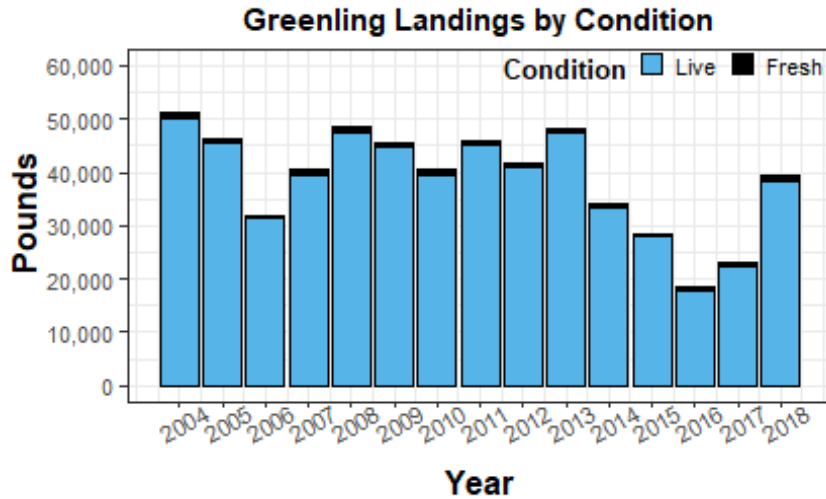


Figure 42. Greenling landings (pounds) by year and market condition.

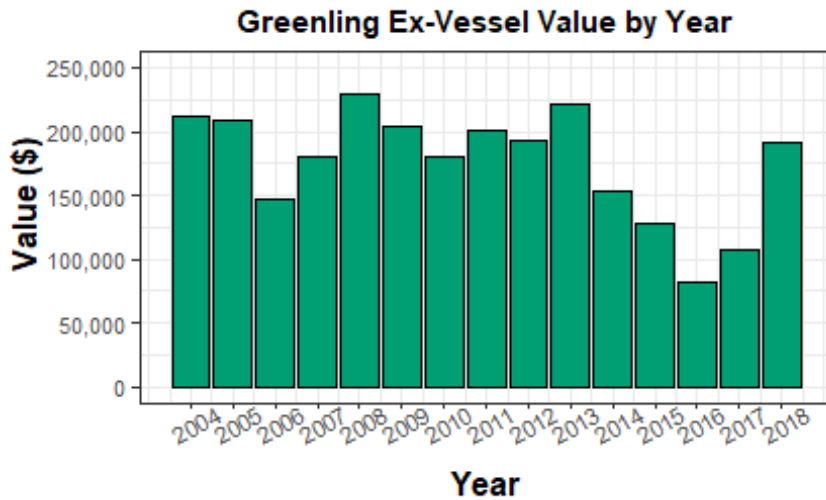


Figure 43. Greenling ex-vessel value (\$) by year.

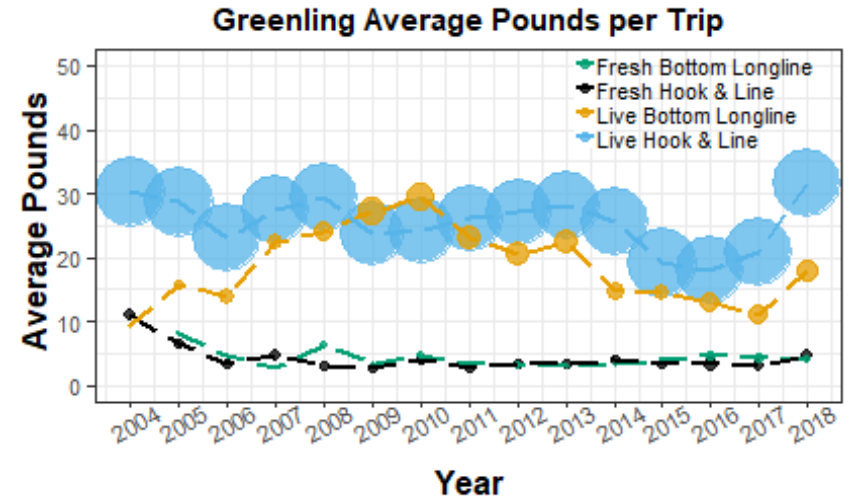


Figure 44. Average Greenling pounds landed per trip by year, gear type and market condition. The area of each bubble is weighted by the percentage of pounds landed by each sector.

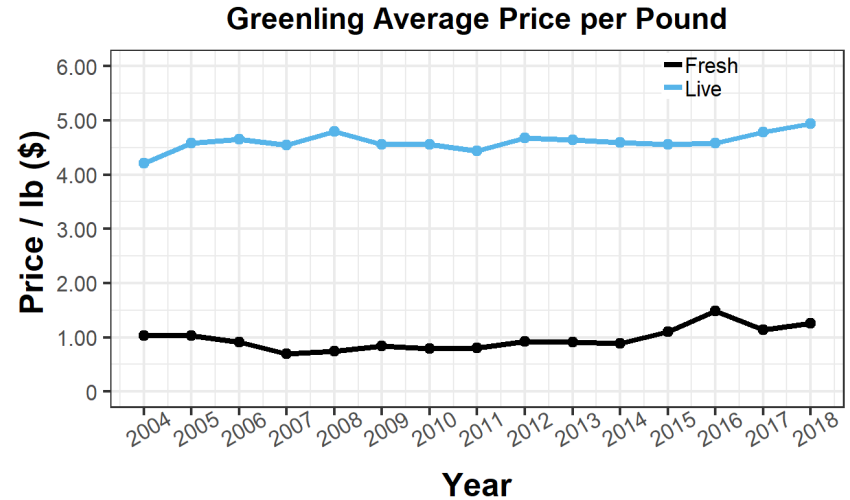


Figure 45. Greenling average ex-vessel price per pound by year and market condition

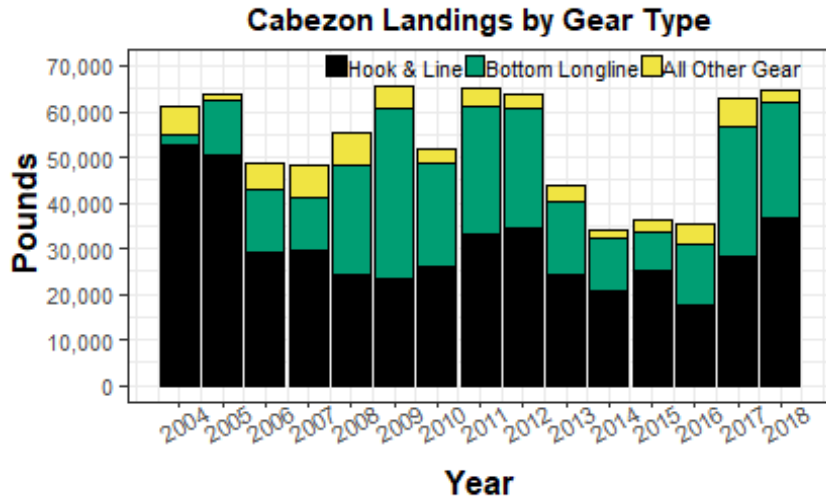


Figure 46. Cabezon landings (pounds) by year and gear type.

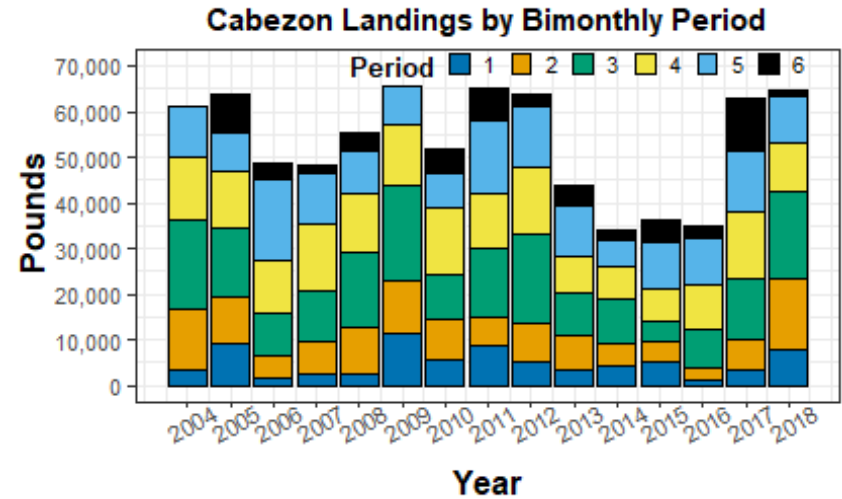


Figure 48. Cabezon landings (pounds) by year and bimonthly period.

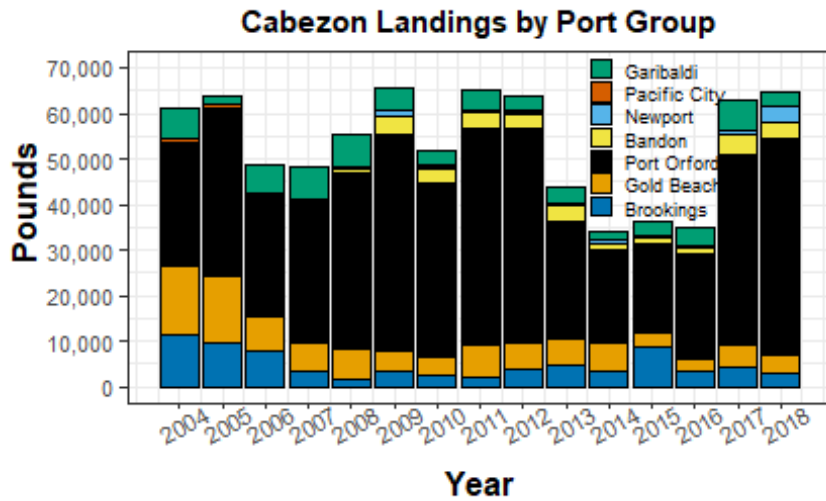


Figure 47. Cabezon landings (pounds) by year and port group.

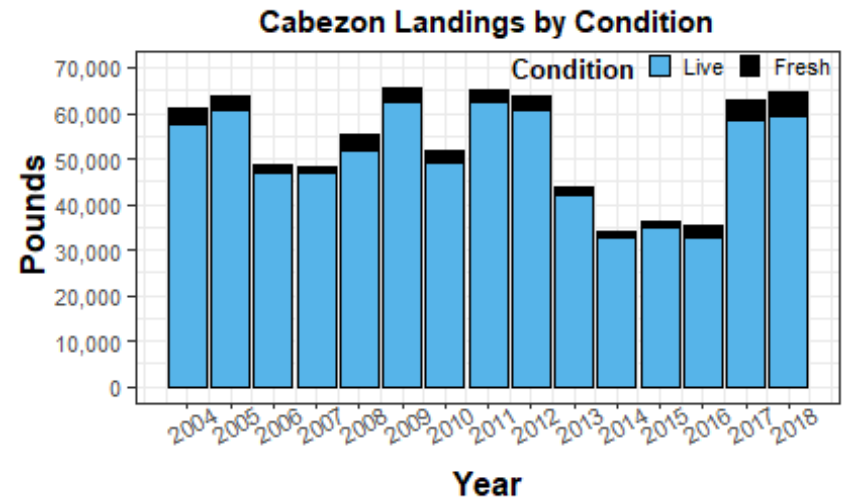


Figure 49. Cabezon landings (pounds) by year and condition.

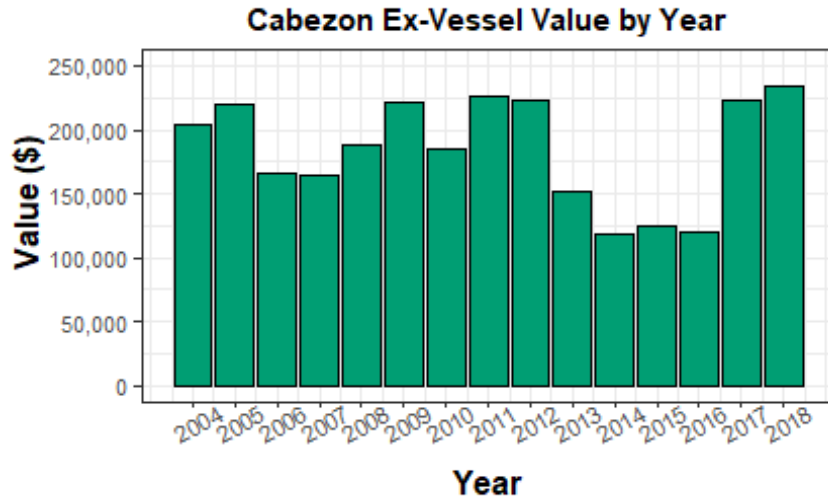


Figure 50. Cabezon ex-vessel value (\$) by year.

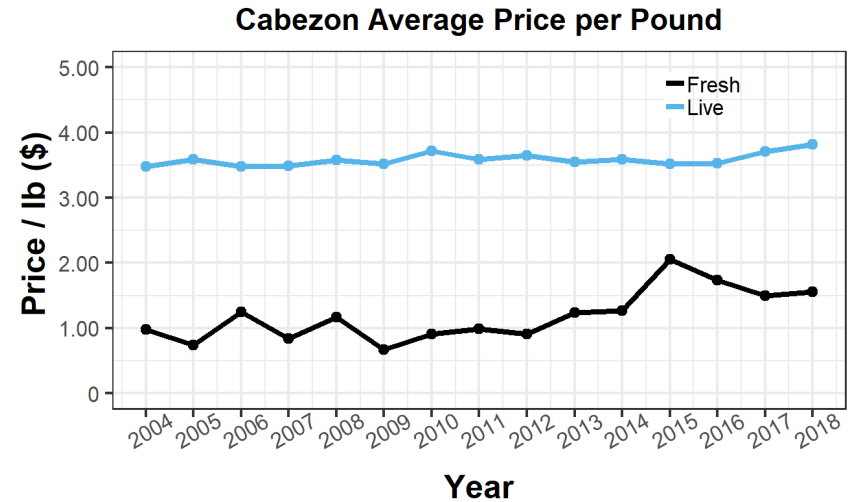


Figure 52. Cabezon average ex-vessel price per pound by year and market condition

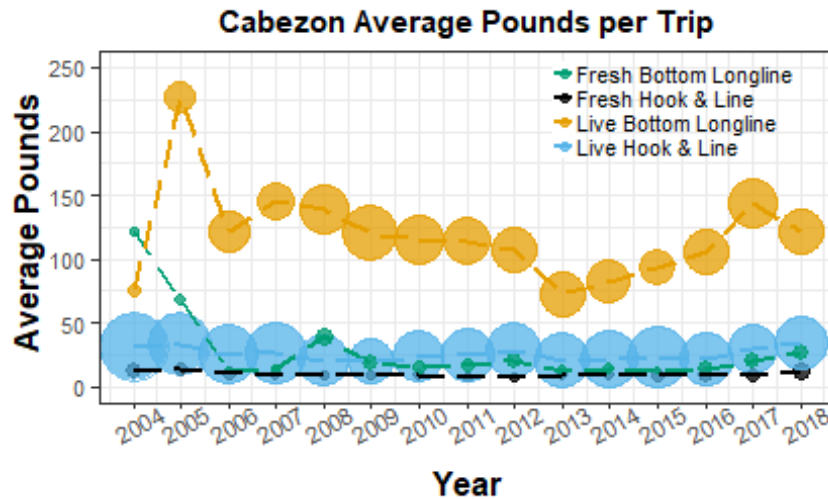


Figure 51. Average pounds landed per trip for Cabezon by year, gear type and market condition. The area of each bubble is weighted by the percentage of pounds landed by each sector.

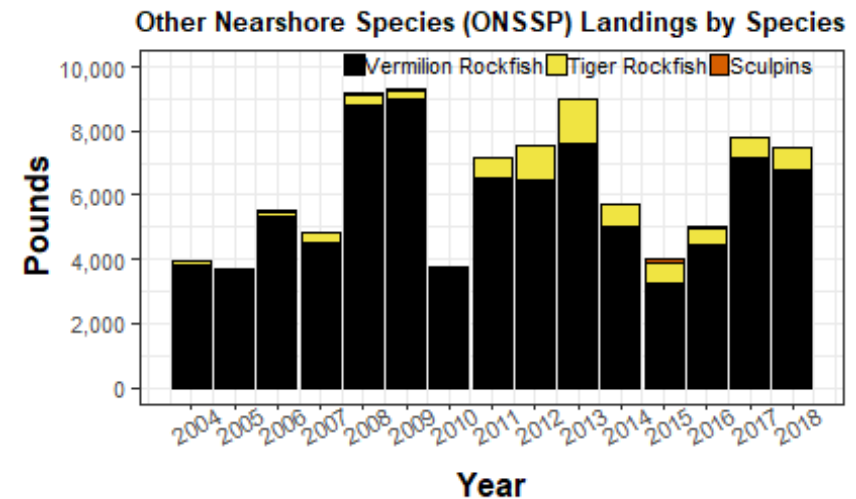
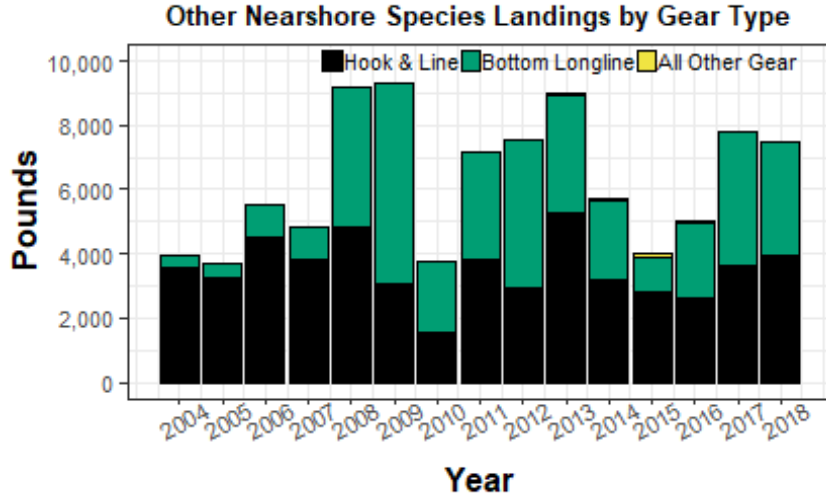
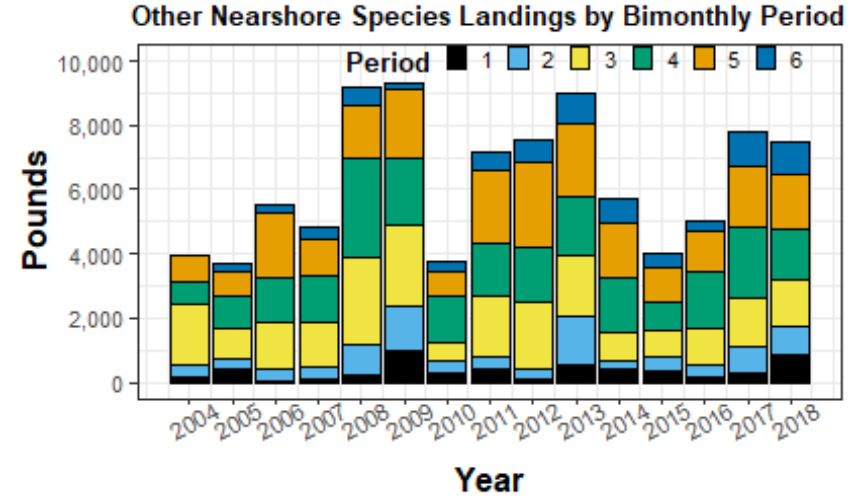


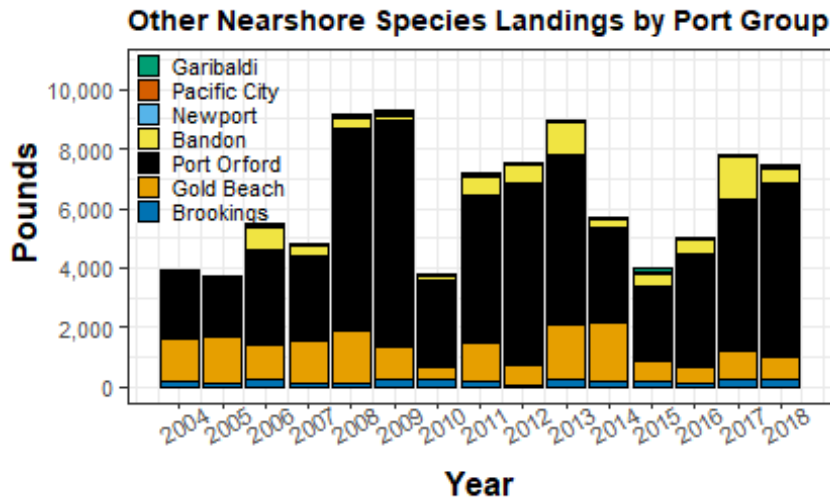
Figure 53. Other Nearshore Species landings (pounds) by year and species group.



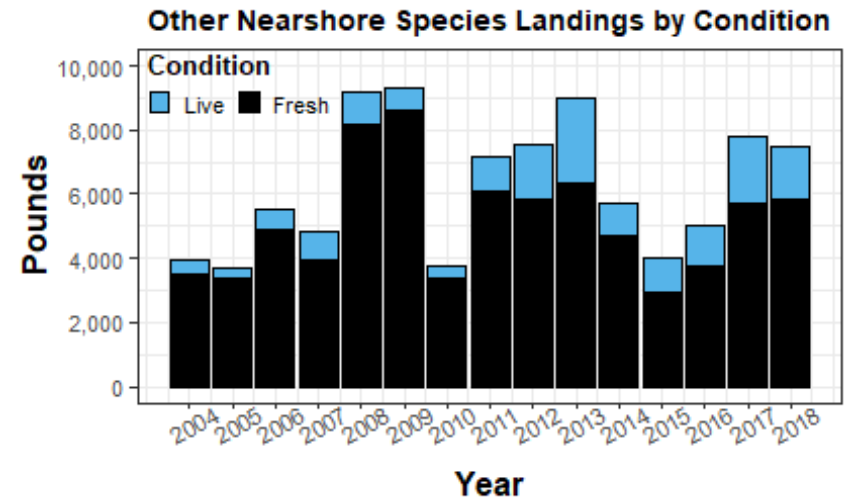
**Figure 54.** Other Nearshore Species landings (pounds) by year and gear type.



**Figure 56.** Other Nearshore Species landings (pounds) by year and bimonthly period.



**Figure 55.** Other Nearshore Species landings (pounds) by port group.



**Figure 57.** Other Nearshore Species landings (pounds) by year and condition.

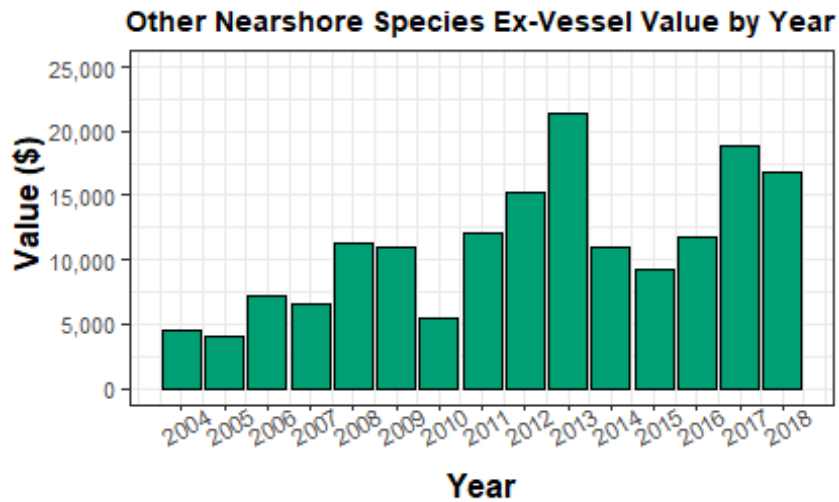


Figure 58. Ex-vessel value of Other Nearshore Species by year.

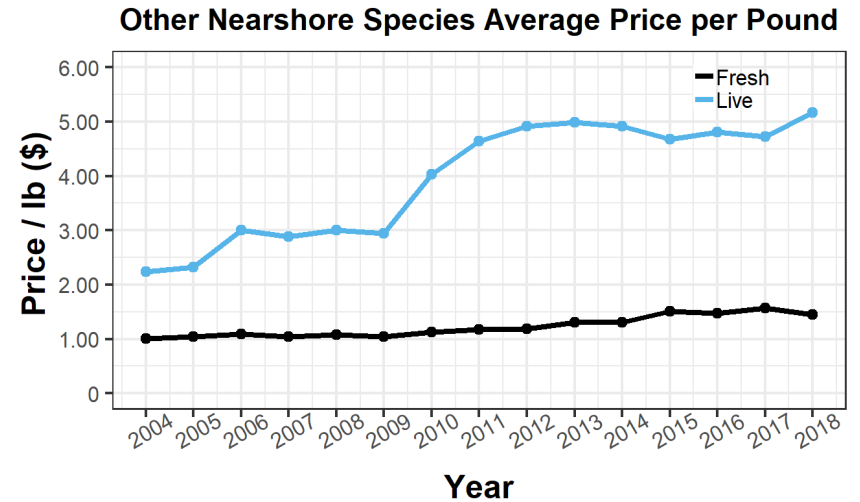


Figure 60. Other Nearshore Species average ex-vessel price per pound by year and market condition.

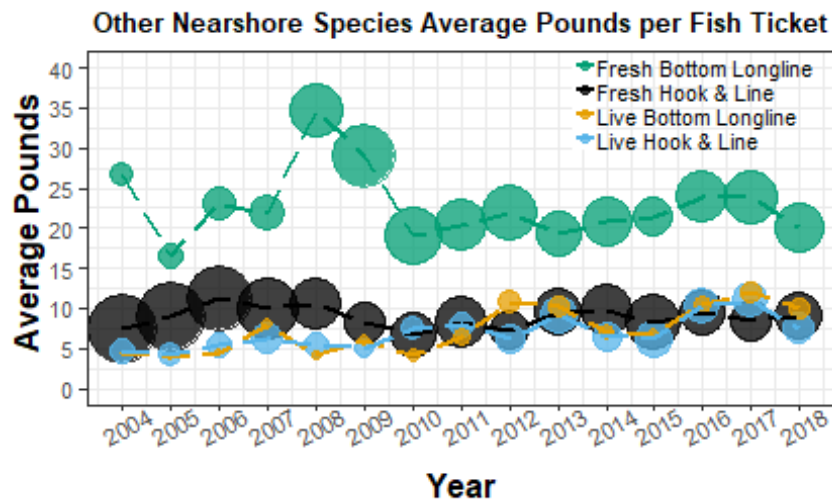


Figure 59. Average pounds landed per trip for Other Nearshore Species by year, gear type and market condition. The area of each bubble is weighted by the percentage of pounds landed per sector.

**Appendices**

**Appendix A.** Annual landing caps, harvest caps, and harvest guidelines (metric tons, mt) for state management groups for 2004 – 2017. Where applicable, harvest caps are indicated in footnotes. Harvest guidelines replaced landing and harvest caps beginning in 2015.

<b>Year</b>	<b>Black &amp; Blue Rockfish</b>	<b>Other Nearshore Rockfish</b>	<b>Cabezon</b>	<b>Greenling</b>
<b>2004</b>	111.9 (108.0) <sup>1</sup>	16.0 <sup>2</sup>	31.3	23.4
<b>2005</b>	108.7 (104.8) <sup>1</sup>	13.5 <sup>2</sup>	31.3	23.4
<b>2006</b>	106.5 (102.5) <sup>1</sup>	13.5 <sup>2</sup>	31.3	23.4
<b>2007</b>	104.6 (100.6) <sup>1</sup>	12.0	31.3	23.4
<b>2008<sup>3</sup></b>	104.6 (100.6) <sup>1</sup>	12.0	31.3	23.4
<b>2009</b>	141.9 (137.9) <sup>1,4</sup>	14.3	31.3	23.4
<b>2010</b>	141.9 (137.9) <sup>1,4</sup>	14.3	31.3	23.4
<b>2011</b>	141.9 (137.9) <sup>1,4</sup>	14.3	31.3	23.4
<b>2012</b>	141.9 (137.9) <sup>1,4</sup>	14.3	30.5 <sup>5</sup>	23.4
<b>2013</b>	141.9 (137.9) <sup>1,4</sup>	14.3	30.0 <sup>6</sup>	23.4
<b>2014</b>	141.9 (137.9) <sup>1,4</sup>	14.3	30.0 <sup>6</sup>	23.4

<sup>1</sup>values in parentheses are landing caps for Black Rockfish, alone.

<sup>2</sup>includes Vermilion and Tiger Rockfishes.

<sup>3</sup>first year both harvest caps were implemented; prior harvest cap equaled landing cap.

<sup>4</sup>harvest cap of 139.2 mt for Black Rockfish, alone.

<sup>5</sup>harvest cap of 30.8 mt.

<sup>6</sup>harvest cap of 30.2 mt.

<b>Year</b>	<b>Black Rockfish</b>	<b>Blue, Deacon &amp; Other Nearshore Rockfish, combined</b>	<b>Cabezon</b>	<b>Greenling</b>	<b>Other Nearshore Species</b>
<b>2015</b>	139.2	10.4	30.2	23.4	N/A
<b>2016</b>	139.2	10.4	30.2	23.4	N/A
<b>2017</b>	126.3	13.0	30.2	169.9	N/A

**Appendix B.** History of cumulative bimonthly period trip limits (pounds) set by the Oregon Fish and Wildlife Commission and implemented by the Oregon Department of Fish and Wildlife for the commercial nearshore fishery. Season outset limits set for each period are in normal text without parentheses. In-season changes effective for each period are dated with amended limits in parentheses. Dates with multiple increases listed on a single day indicate the bimonthly limit was increased at multiple different times throughout the year with the same effective date. A dash indicates no change. RF = Rockfish.

**Table B1.** 2017 cumulative bimonthly period trip limits (pounds).

<b>Period</b>	<b>Black RF</b>	<b>Blue/Deacon RF</b>	<b>Other Nearshore RF</b>	<b>Cabezon</b>	<b>Greenling</b>
Period 1	1,200	300	450	2,000	600
Period 2	1,500	300	450	2,000	600
Period 3	1,800	300	450	2,000	600
Period 4	1,800	300	450	2,000	600
<i>July 5</i>	(2,400)	-	-	-	-
Period 5	1,500	300	450	2,000	600
<i>Sept 1</i>	(2,100)	-	-	-	-
Period 6	1,200	300	450	2,000	600
<i>Nov 1</i>	(1,800)	-	-	-	-

**Table B2.** 2016 cumulative bimonthly period trip limits (pounds).

<b>Period</b>	<b>Black RF</b>	<b>Blue RF</b>	<b>Other Nearshore RF</b>	<b>Cabezon</b>	<b>Greenling</b>
Period 1	1,200	30	200	2,000	600
Period 2	1,400	30	200	2,000	600
Period 3	1,700	30	200	2,000	600
Period 4	1,600	30	200	2,000	600
<i>July 5</i>	(2,400)	(50)	(350)	-	-
Period 5	1,400	30	200	2,000	600
<i>Sept 1</i>	(2,200)	(450)	-	-	-
Period 6	1,000	30	200	2,000	600
<i>Nov 1</i>	(1,800)	(450)	-	-	-

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**Table B3.** 2015 cumulative bimonthly period trip limits (pounds). Blue and Deacon Rockfish had a separate trip limit beginning this year (see the Fishery Management and Harvest Specifications section).

<b>Period</b>	<b>Black RF</b>	<b>Blue RF</b>	<b>Other Nearshore RF</b>	<b>Cabezon</b>	<b>Greenling</b>
Period 1	1,200	15	100	1,500	300
Period 2	1,400	15	100	1,500	300
Period 3	1,700	15	100	1,500	300
Period 4	1,600	15	100	1,500	300
<i>July 5</i>	(1,800)	-	-	-	(400)
Period 5	1,400	15	100	1,500	300
<i>Sept 1</i>	(1,600)	(50)	(300)	-	(400)
Period 6	1,000	15	100	1,500	300
<i>Nov 1</i>	(1,200)	(50)	(300)	-	(400)

**Table B4.** 2014 cumulative bimonthly period trip limits (pounds).

<b>Period</b>	<b>Black &amp; Blue RF</b>	<b>Other Nearshore RF</b>	<b>Cabezon</b>	<b>Greenling</b>
Period 1	1,000	700	1,500	300
Period 2	1,200	700	1,500	300
Period 3	1,700	700	1,500	300
Period 4	1,600	700	1,500	300
<i>Aug 1</i>	(2,100)	-	-	-
Period 5	1,200	700	1,500	300
<i>Sept 1</i>	(2,100)	-	-	-
<i>Oct 9</i>	-	-	-	(350)
Period 6	1,000	700	1,500	300
<i>Nov 1</i>	(1,800)	-	-	(350)

**Table B5.** 2013 cumulative bimonthly period trip limits (pounds).

<b>Period</b>	<b>Black &amp; Blue RF</b>	<b>Other Nearshore RF</b>	<b>Cabezon</b>	<b>Greenling</b>
Period 1	1,000	700	1,500	300
Period 2	1,200	700	1,500	300
Period 3	1,700	700	1,500	300
Period 4	1,600	700	1,500	300
Period 5	1,200	700	1,500	300
<i>Sept 1</i>	(2,100)	-	(2,000)	-
Period 6	1,000	700	1,500	300
<i>Nov 1</i>	(1,800)	-	(2,000)	-



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**Table B6.** 2012 cumulative bimonthly period trip limits (pounds).

<b>Period</b>	<b>Black &amp; Blue RF</b>	<b>Other Nearshore RF</b>	<b>Cabezon</b>	<b>Greenling</b>
Period 1	800	700	1,500	250
Period 2	1,000	700	1,500	-
Period 3	1,400	700	1,500	250
<i>June 1</i>	(1,800)	-	-	-
Period 4	1,400	700	1,500	250
<i>July 1</i>	(1,800)	-	-	-
Period 5	1,000	700	1,500	250
<i>Sept 1</i>	(2,100)	-	-	(400)
Period 6	800	700	1,500	250
<i>Nov 1</i>	(2,100)	-	(100)	(400)

**Table B7.** 2011 cumulative bimonthly period trip limits (pounds).

<b>Period</b>	<b>Black &amp; Blue RF</b>	<b>Other Nearshore RF</b>	<b>Cabezon</b>	<b>Greenling</b>
Period 1	800	700	1,500	250
Period 2	1,000	700	1,500	250
Period 3	1,400	700	1,500	250
Period 4	1,400	700	1,500	250
<i>July 5</i>	(1,600)	-	-	-
Period 5	1,000	700	1,500	250
<i>Sept 1</i>	(1,200)	-	-	-
<i>Sept 15</i>	(1,400)	-	-	-
Period 6	800	700	1,500	250
<i>Nov 1</i>	(1,000)	-	-	-
<i>Nov 11</i>	(1,200)	-	-	-

**Table B8.** 2010 cumulative bimonthly period trip limits (pounds).

<b>Period</b>	<b>Black &amp; Blue RF</b>	<b>Other Nearshore RF</b>	<b>Cabezon</b>	<b>Greenling</b>
Period 1	800	700	1,500	250
Period 2	1,000	700	1,500	250
Period 3	1,400	700	1,500	250
Period 4	1,400	700	1,500	250
<i>Aug 1</i>	(1,600)	-	-	(300)
Period 5	1,000	700	1,500	250
<i>Sept 1</i>	(1,200)	-	(1,600)	(300)
<i>Oct 15</i>	(1,400)	-	(Closed)	(350)
Period 6	800	700	1,500	250
<i>Nov 1</i>	(1,200)	-	(1,600)	(350)

**Table B9.** 2009 cumulative bimonthly period trip limits (pounds).

<b>Period</b>	<b>Black &amp; Blue RF</b>	<b>Other Nearshore RF</b>	<b>Cabezon</b>	<b>Greenling</b>
Period 1	800	700	2,500	450
Period 2	1,000	700	2,500	450
<i>Mar 1</i>	-	-	-	(250)
Period 3	1,600	700	2,500	450
<i>May 1</i>	-	-	-	(250)
Period 4	1,600	700	2,500	450
<i>July 1</i>	-	-	-	(250)
<i>July 1</i>	-	-	(1,250)	(150)
Period 5	1,200	700	2,500	450
<i>Oct 1</i>	-	-	(1,250)	(250)
<i>Oct 10</i>	(15/day; 1,200/month)	-	(Closed)	(150)
Period 6	1,000	700	2,500	450
<i>Nov 1</i>	-	-	-	(250)
<i>Nov 1</i>	(15/day; 400/month)	-	(Closed)	(150)

**Table B10.** 2008 cumulative bimonthly period trip limits (pounds).

<b>Period</b>	<b>Black &amp; Blue RF</b>	<b>Other Nearshore RF</b>	<b>Cabezon</b>	<b>Greenling</b>
Period 1	600	700	2,500	450
Period 2	800	700	2,500	450
Period 3	1,600	700	2,500	450
Period 4	1,600	700	2,500	450
<i>July 1</i>	(1,200)	-	-	-
Period 5	1,600	700	2,500	450
<i>Oct 1</i>	(1,000)	-	-	-
<i>Oct 2</i>	(15/day; 1,000/month)	-	-	-
Period 6	800	700	2,500	450
<i>Nov 1</i>	(15/day; 200/month)	-	-	-

**Table B11.** 2007 cumulative bimonthly period trip limits (pounds).

<b>Period</b>	<b>Black &amp; Blue RF</b>	<b>Other Nearshore RF</b>	<b>Cabezon</b>	<b>Greenling</b>
Period 1	600	600	2,000	400
Period 2	800	600	2,000	400
Period 3	1,600	600	2,000	400
Period 4	1,600	600	2,000	400
Period 5	1,600	600	2,000	400
<i>Sept 1</i>	(2,000)	(700)	(4,000)	(800)
Period 6	800	600	2,000	400
<i>Nov 1</i>	(15/day; 800/month)	(700)	(4,000)	(800)
<i>Nov 28</i>	(Closed)	(Closed)	(Closed)	(Closed)

**Table B12.** 2006 cumulative monthly period trip limits (pounds).

<b>Period</b>	<b>Black &amp; Blue RF</b>	<b>Other Nearshore RF<sup>1</sup></b>	<b>Cabezon</b>	<b>Greenling</b>
January	300	200	1,000	100
February	300	200	1,000	100
March	600	200	1,000	100
April	600	200	1,000	100
May	600	200	1,000	100
June	600	200	1,000	100
July	600	200	1,000	100
<i>Jul 1</i>	(700)	(300)	(1,750)	(200)
August	600	200	1,000	100
<i>Aug 11</i>	(1,400)	(350)	(2,000)	(400)
Sept	300	200	1,000	100
<i>Sept 1</i>	(1,400)	(350)	(2,000)	(400)
October	300	200	1,000	100
<i>Oct 1</i>	(600)	(350)	(2,000)	(400)
November	250	200	1,000	100
<i>Nov 1</i>	-	(350)	(2,000)	(400)
December	250	200	1,000	100
<i>Dec 1</i>	-	(350)	(2,000)	(400)

<sup>1</sup> - sub-limit of Black & Blue RF; included Vermilion and Tiger RF

**Table B13.** 2005 cumulative bimonthly period trip limits (pounds).

<b>Period</b>	<b>Black &amp; Blue RF</b>	<b>Other Nearshore RF<sup>1</sup></b>	<b>Cabezon</b>	<b>Greenling</b>
Period 1	1,000	450	2,000	350
Period 2	1,000	450	2,000	350
Period 3	1,500	450	2,000	350
<i>May 1</i>	-	(325)	-	(225)
Period 4	1,500	450	2,000	350
<i>Jul 1</i>	-	(325)	-	(225)
<i>Aug 4</i>	(700)	-	-	(175)
Period 5	800	450	2,000	350
<i>Sept 1</i>	(700)	(325)	-	(225)
<i>Sept 1</i>	-	-	-	(175)
<i>Oct 11</i>	-	(400)	-	-
Period 6	500	450	2,000	350
<i>Nov 1</i>	-	(325)	-	(225)
<i>Nov 1</i>	-	(400)	-	(175)
<i>Dec 1</i>	-	-	-	(275)

<sup>1</sup> - sub-limit of Black & Blue RF; included Vermilion and Tiger RF

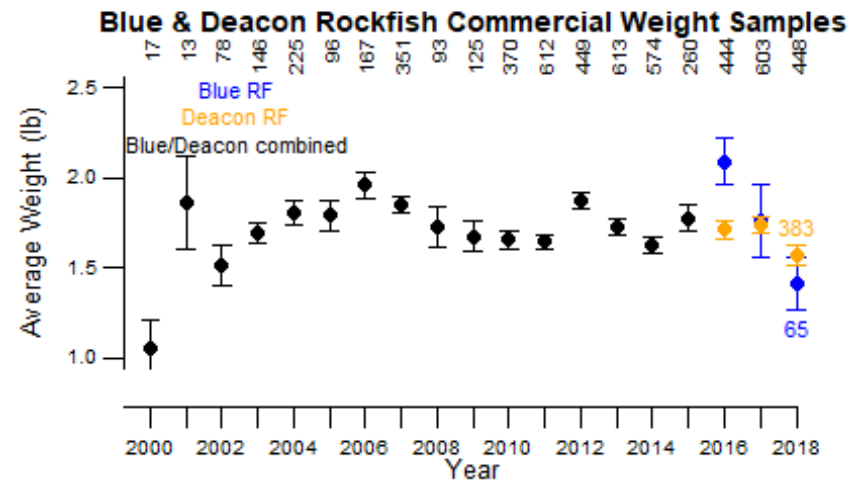
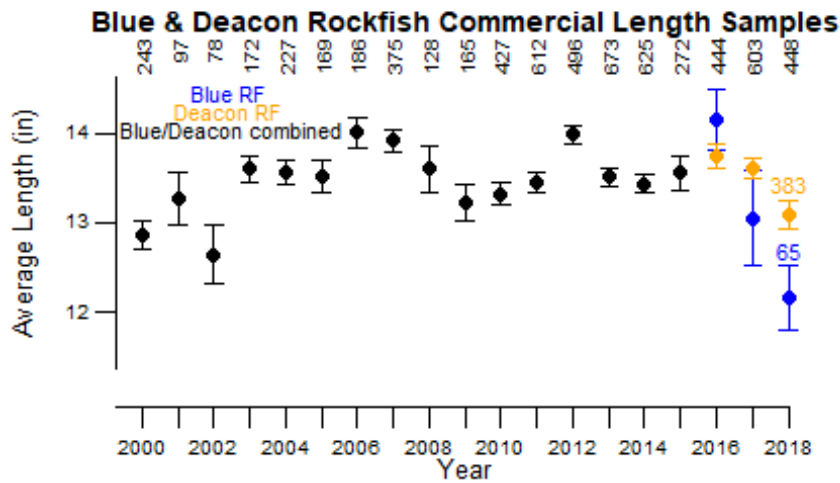
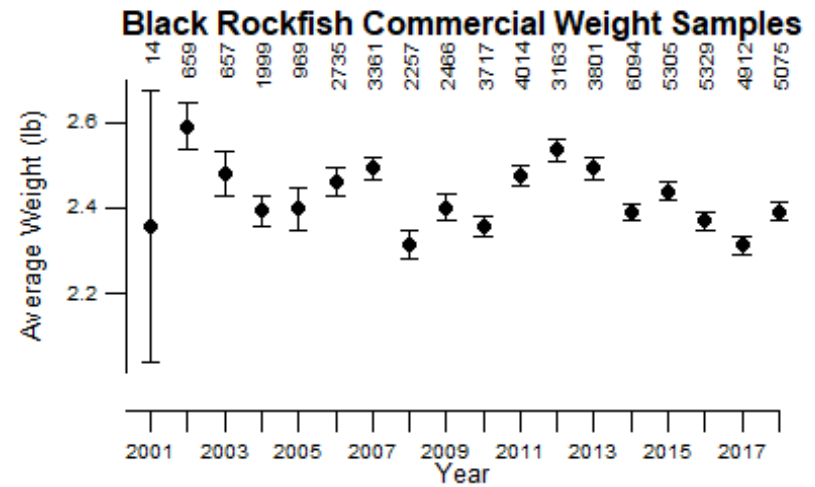
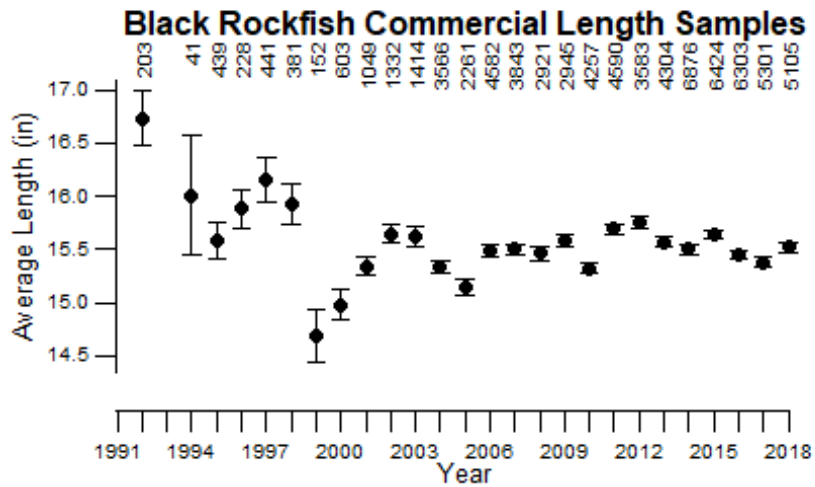
**Table B14.** 2004 cumulative bimonthly period trip limits (pounds).

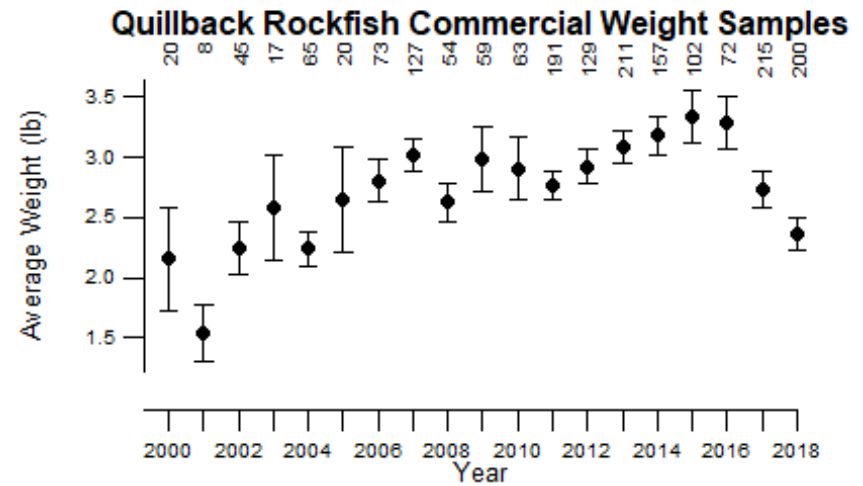
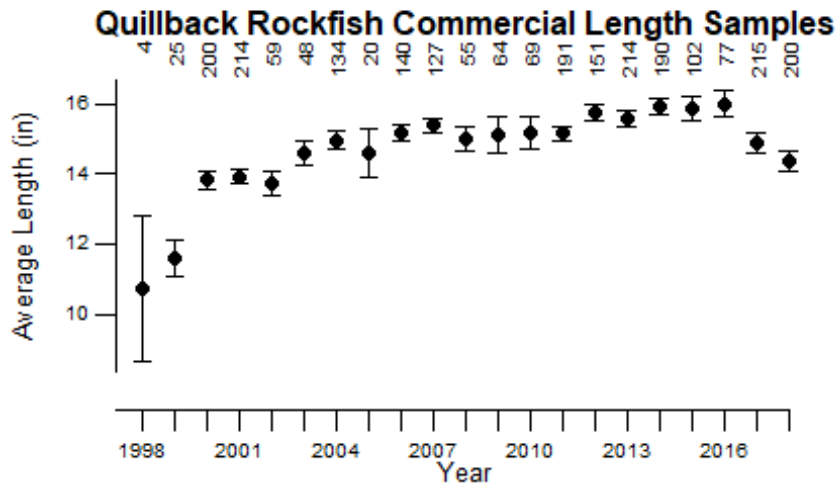
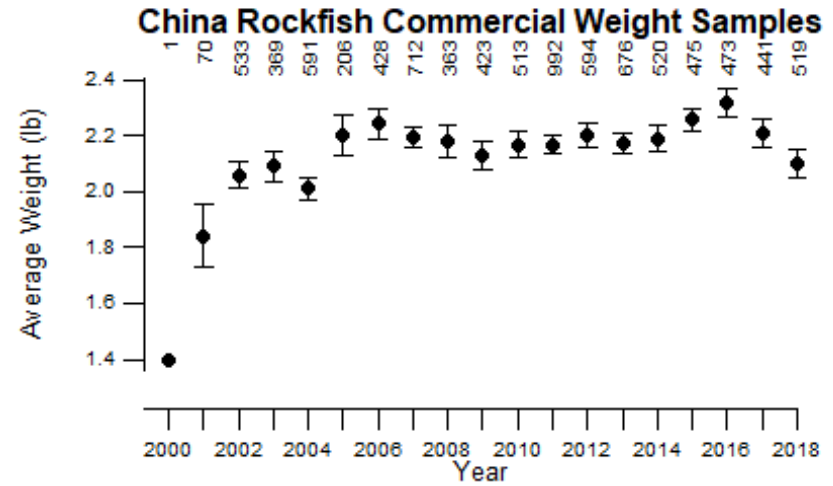
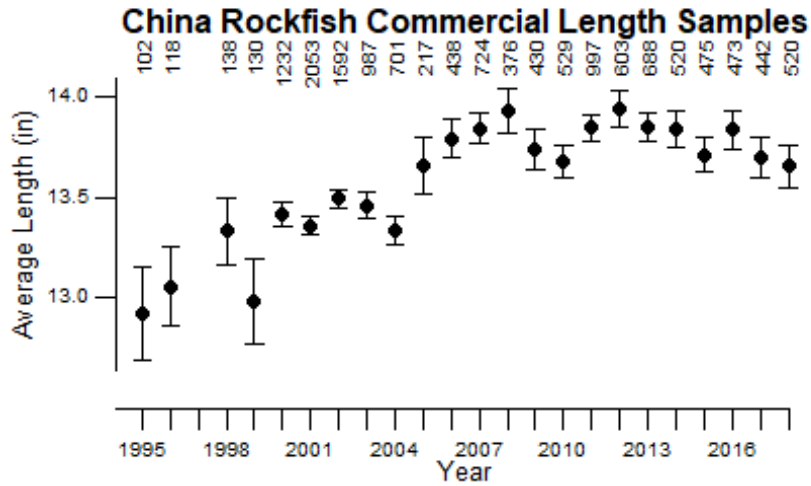
<b>Period</b>	<b>Black &amp; Blue RF</b>	<b>Other Nearshore RF<sup>1</sup></b>	<b>Cabezon</b>	<b>Greenling</b>
Period 1	3,000	900	2,000	350
Period 2	3,000	900	2,000	350
Period 3	3,000	900	2,000	350
Period 4	3,000	900	2,000	350
<i>July 27</i>	(1,500)	-	-	(600)
Period 5	3,000	900	2,000	350
<i>Sept 1</i>	(1,500)	-	-	(600)
<i>Sept 27</i>	(Closed)	(100)	-	(Closed)
Period 6	3,000	900	2,000	350
<i>Nov 1</i>	-	(Closed)	-	(Closed)

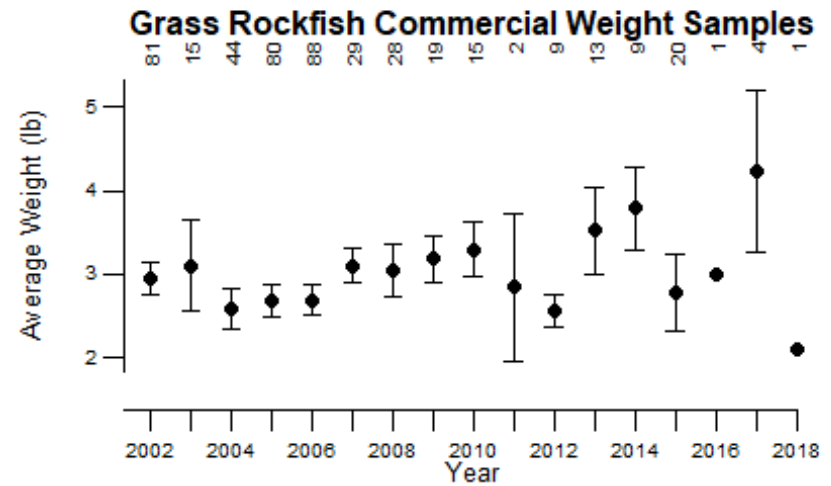
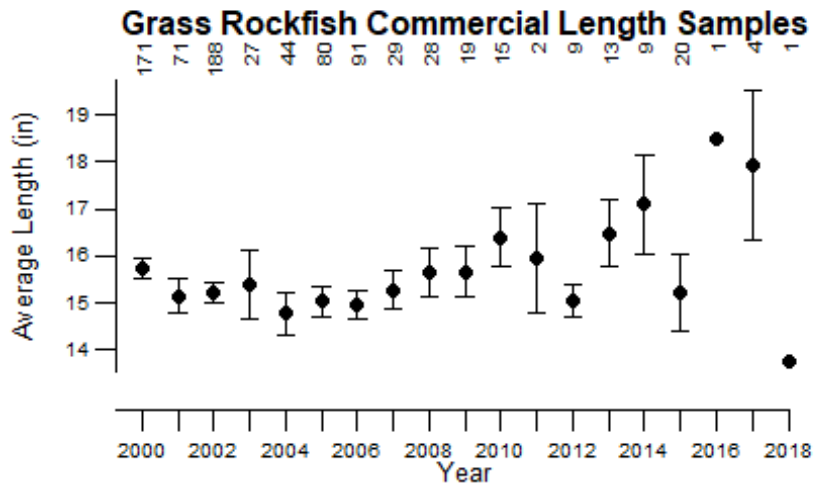
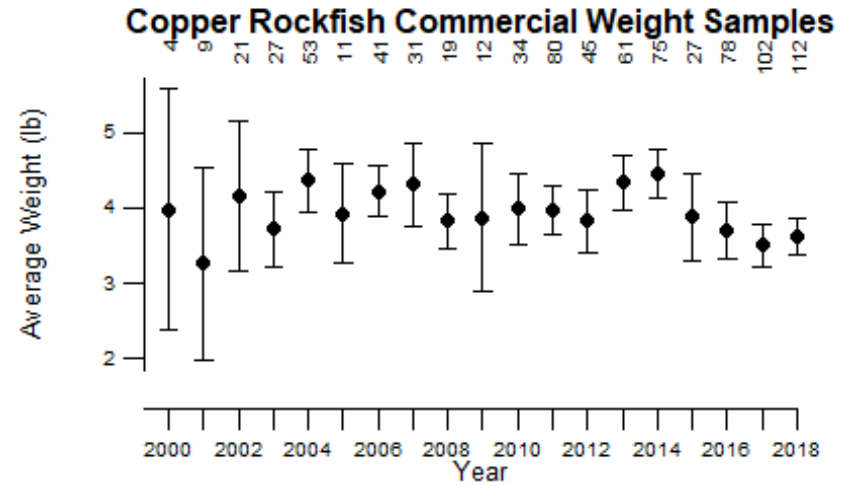
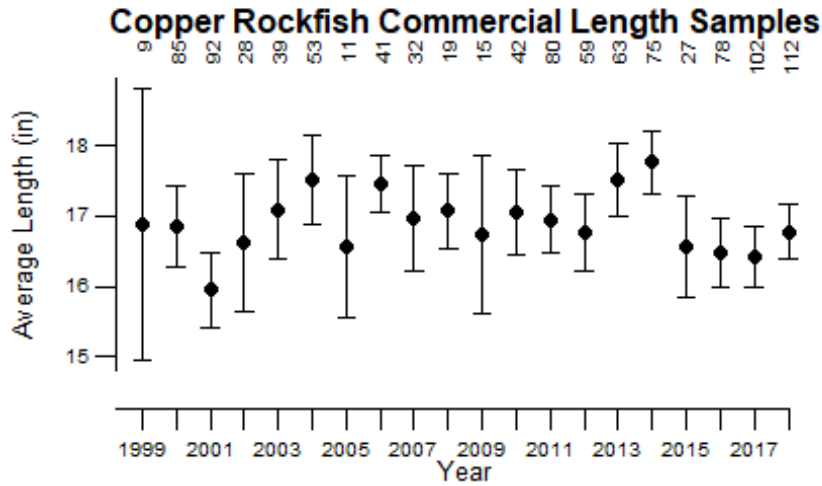
<sup>1</sup> - sub-limit of Black & Blue RF; included Vermilion and Tiger RF

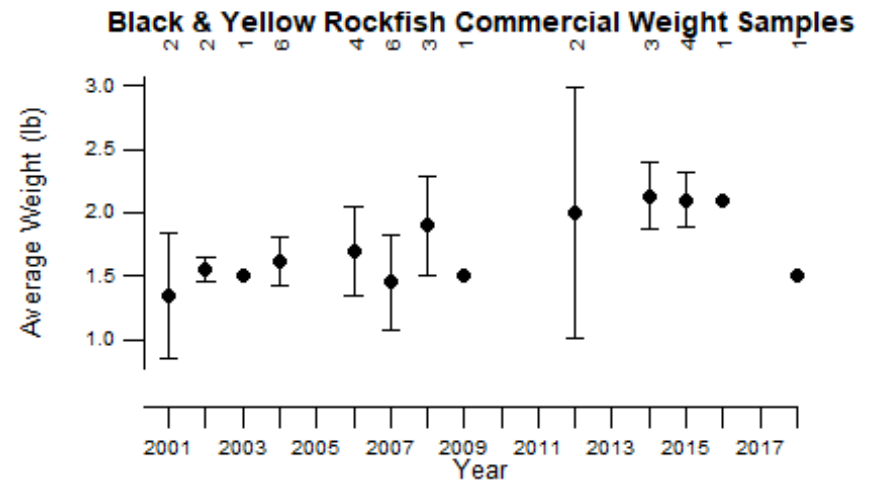
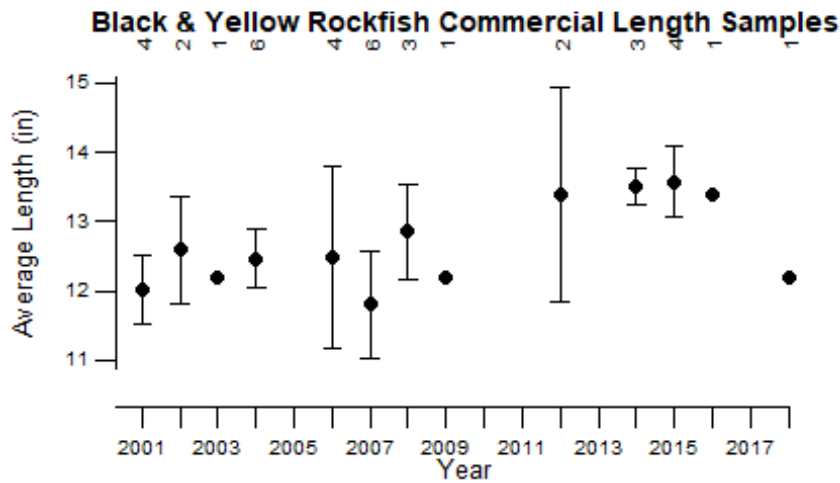
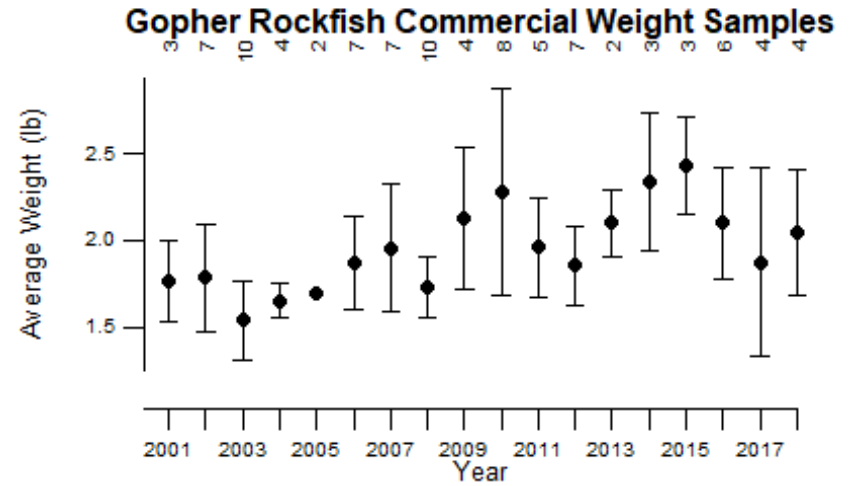
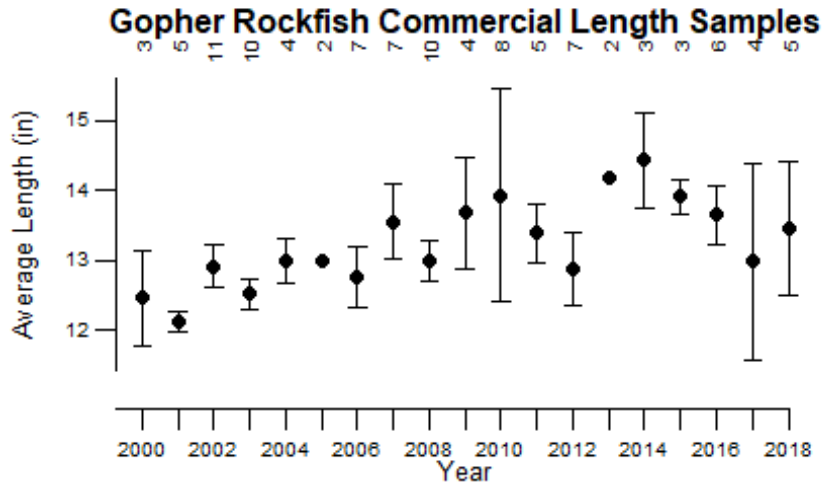
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**Appendix C.** Nearshore species commercial length and weight sample averages by year with sample sizes (top) and 95% confidence intervals.

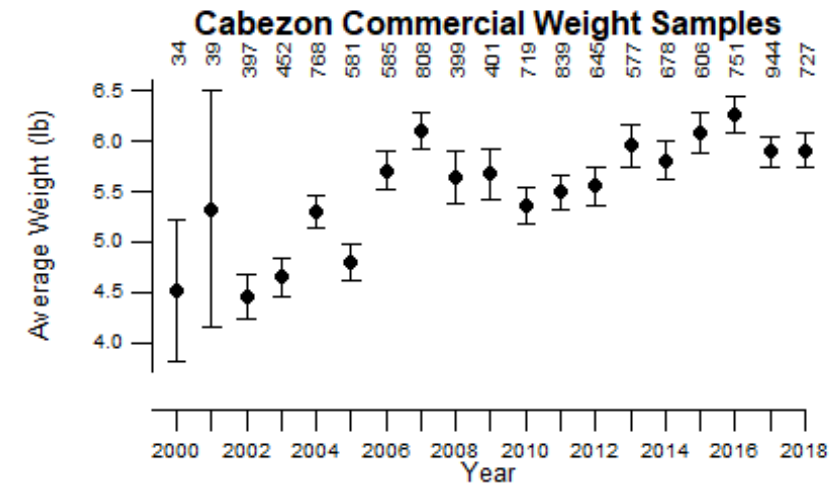
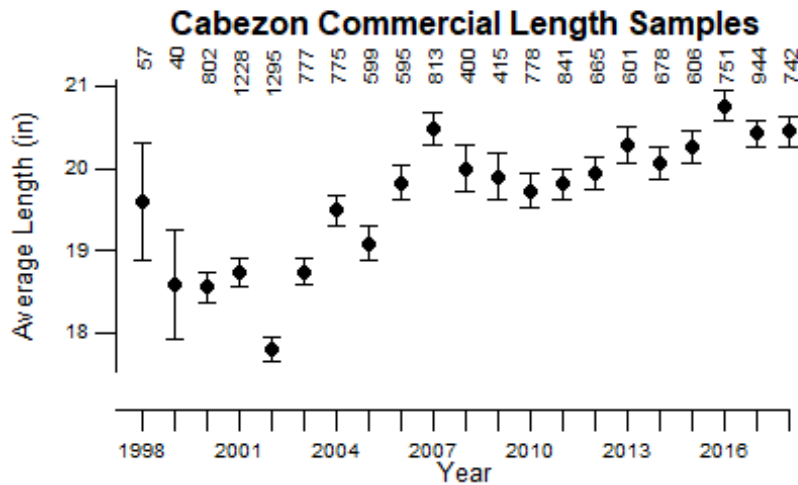
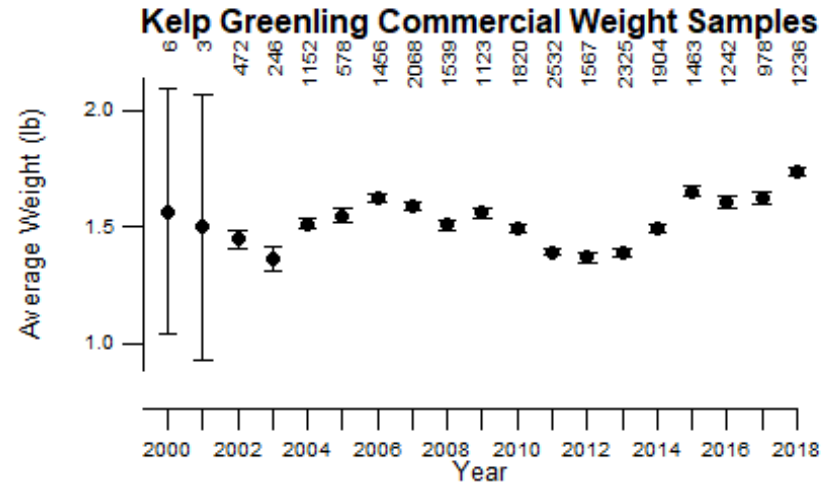
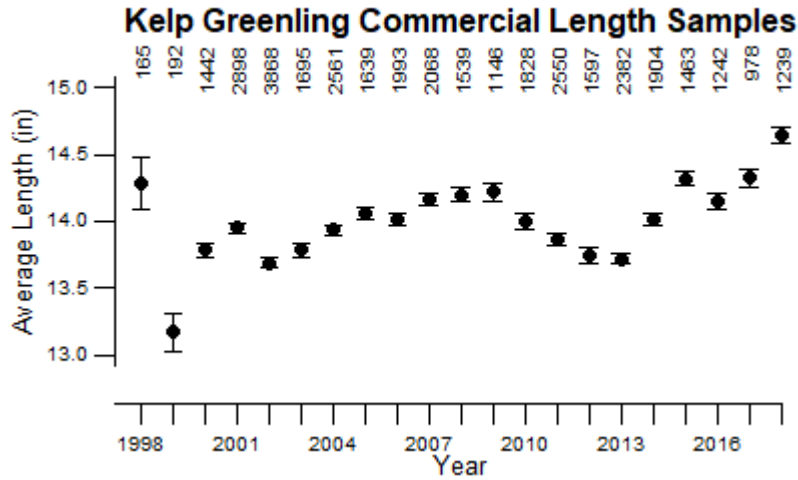


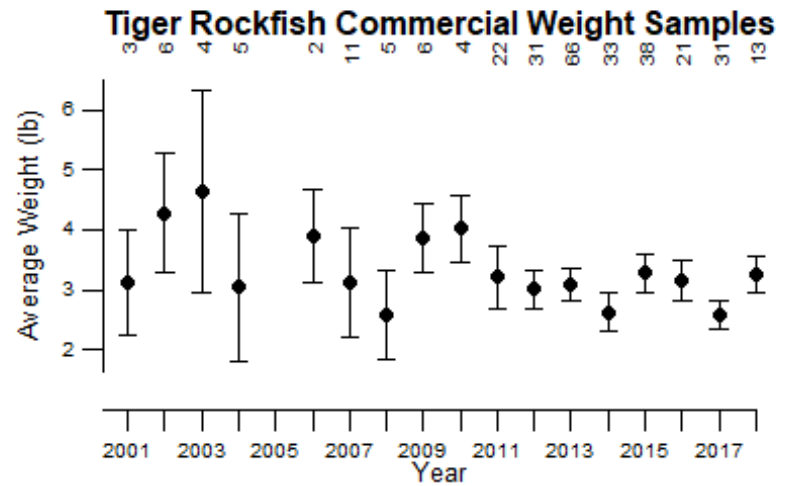
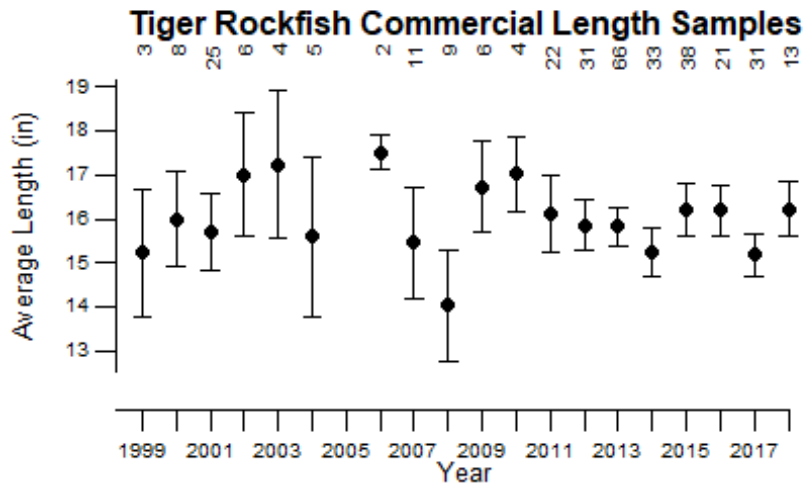
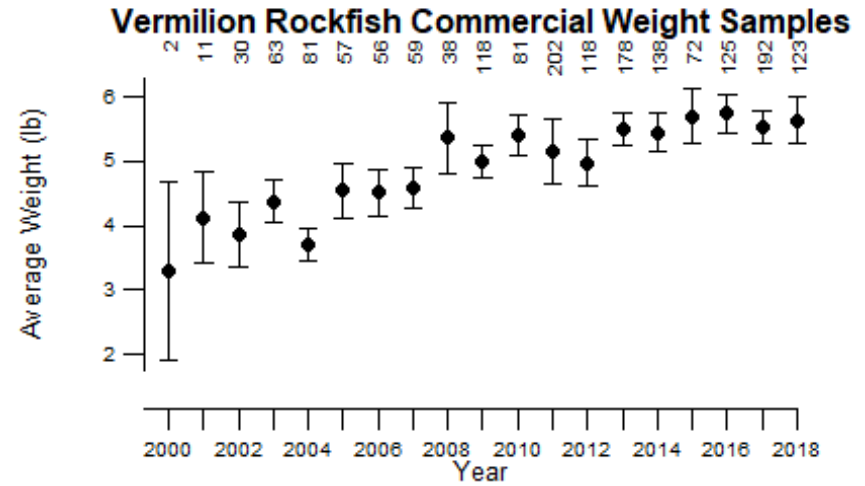
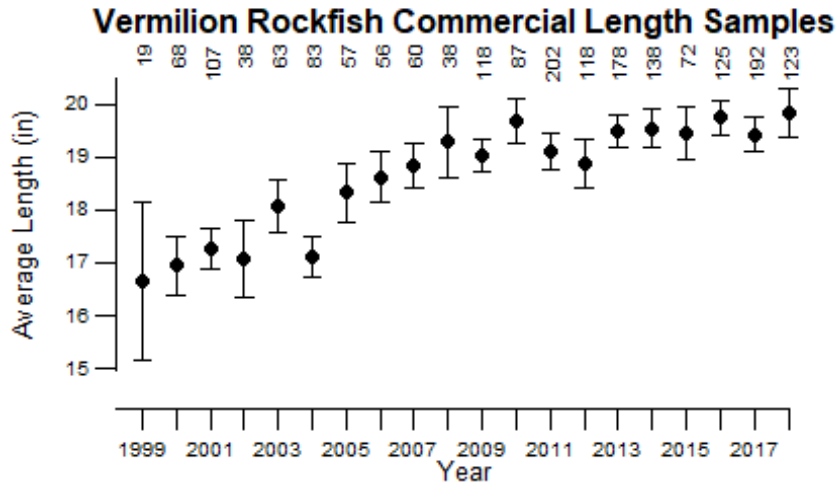




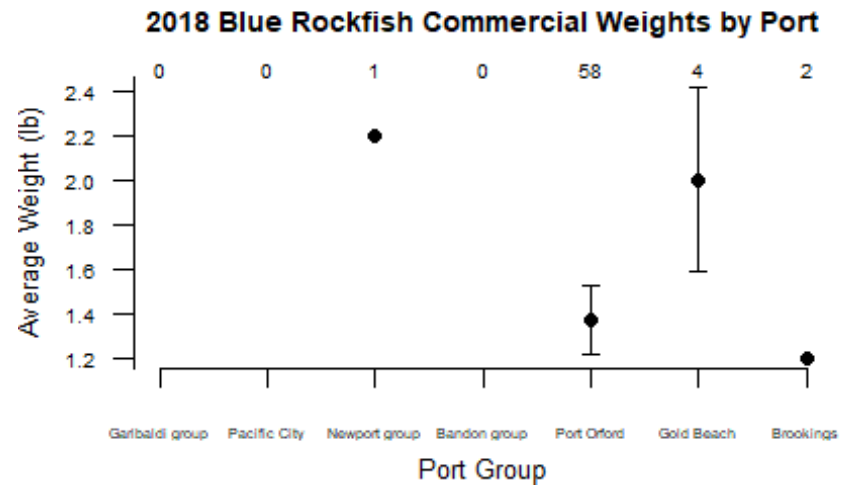
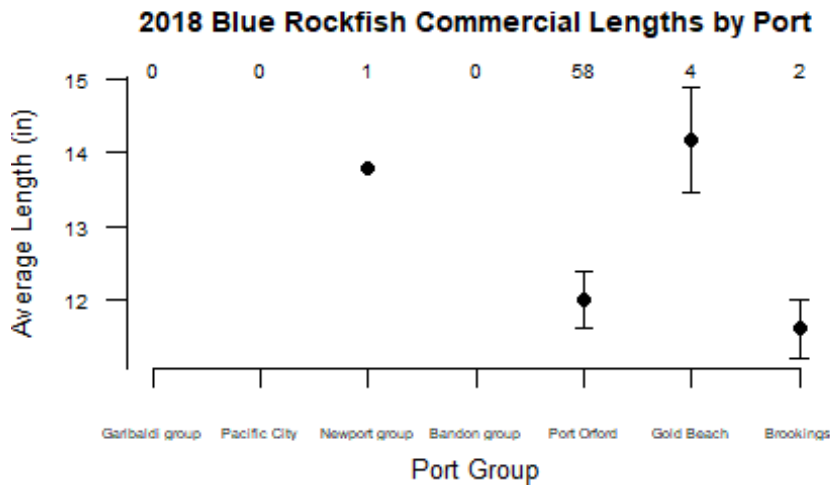
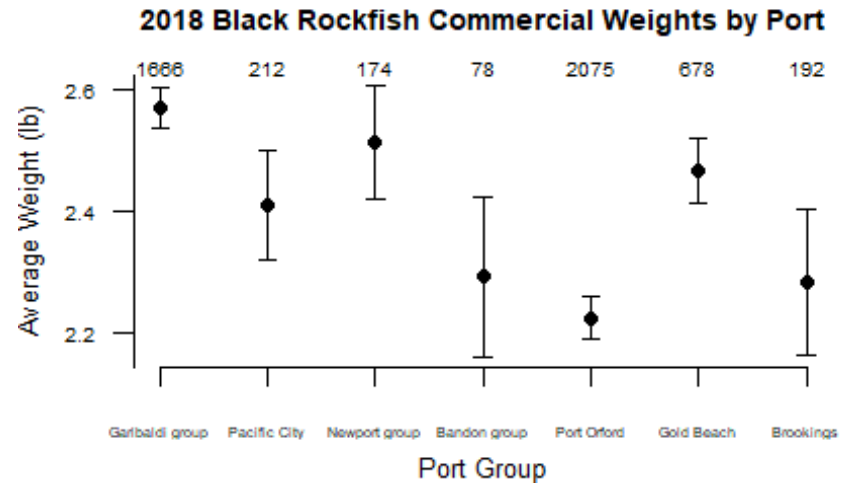
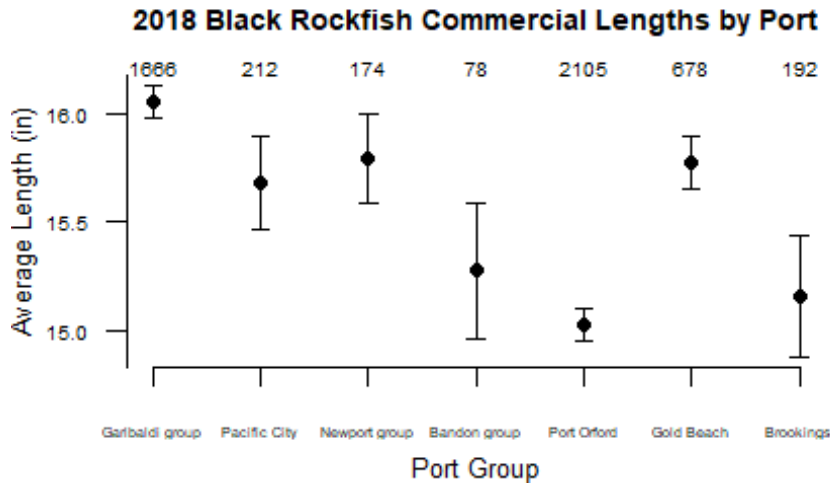


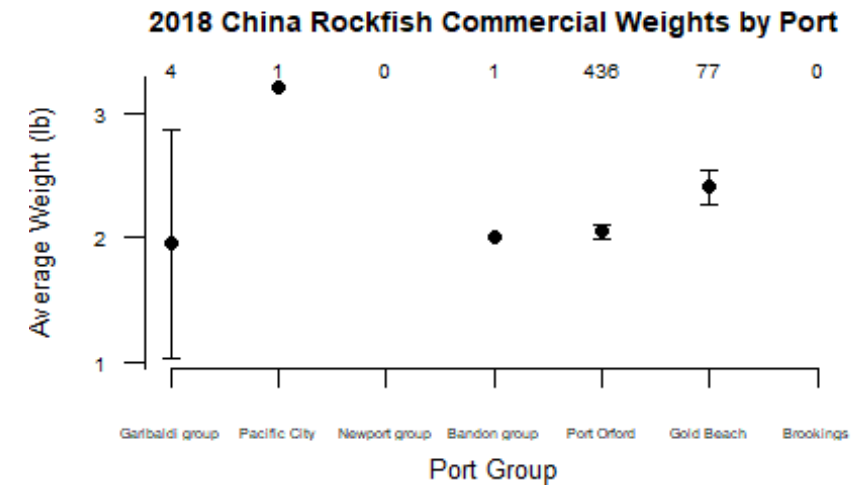
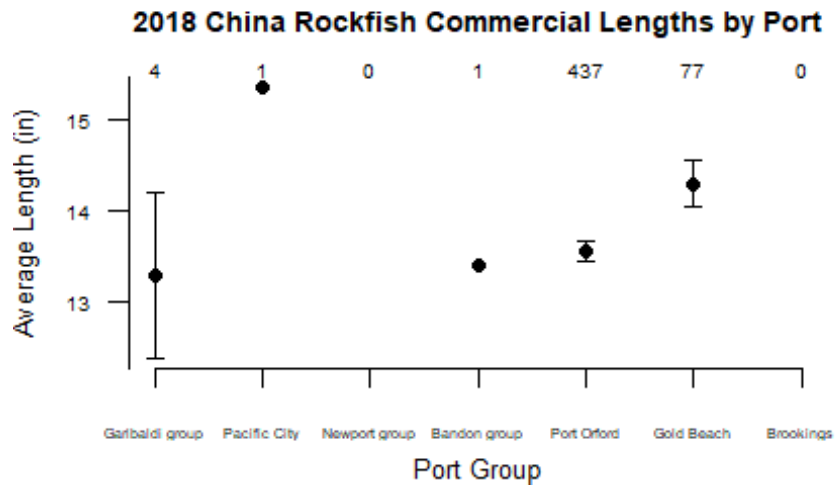
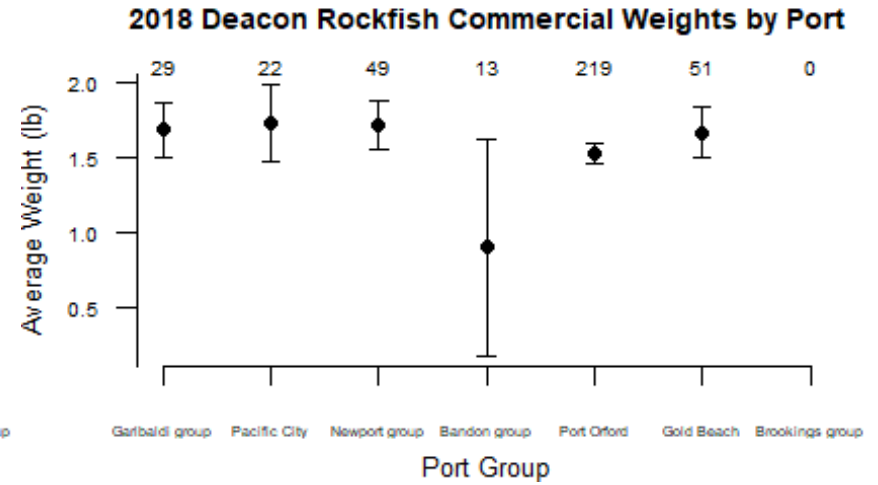
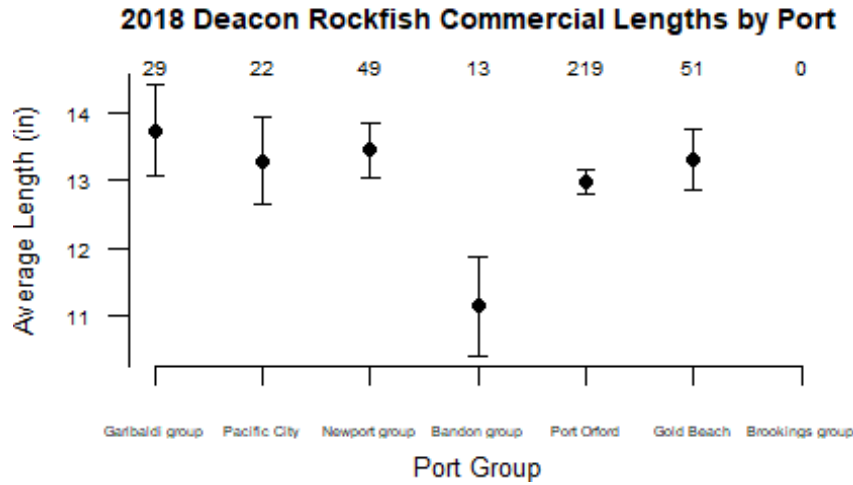


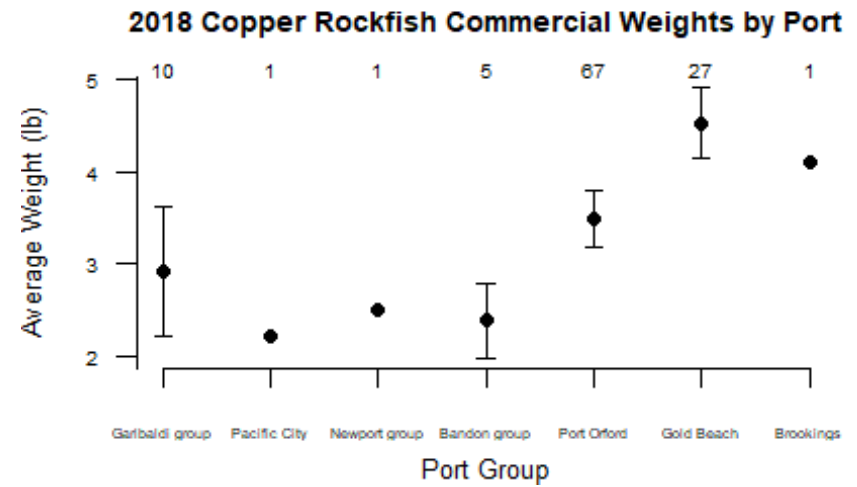
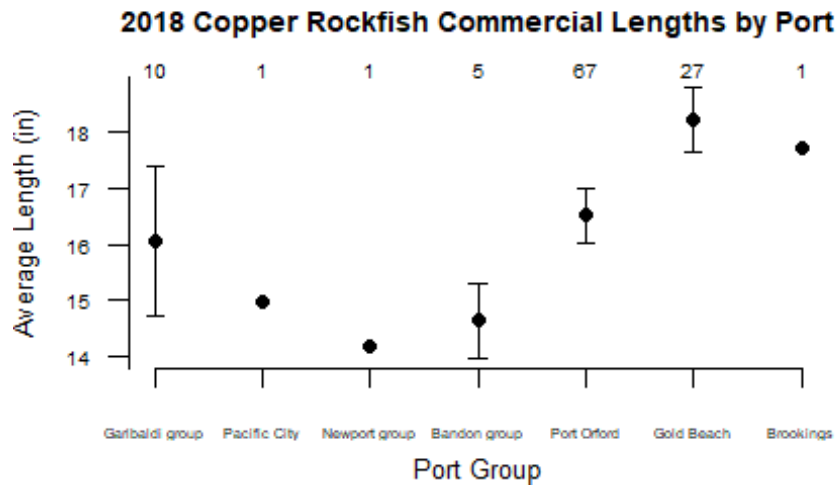
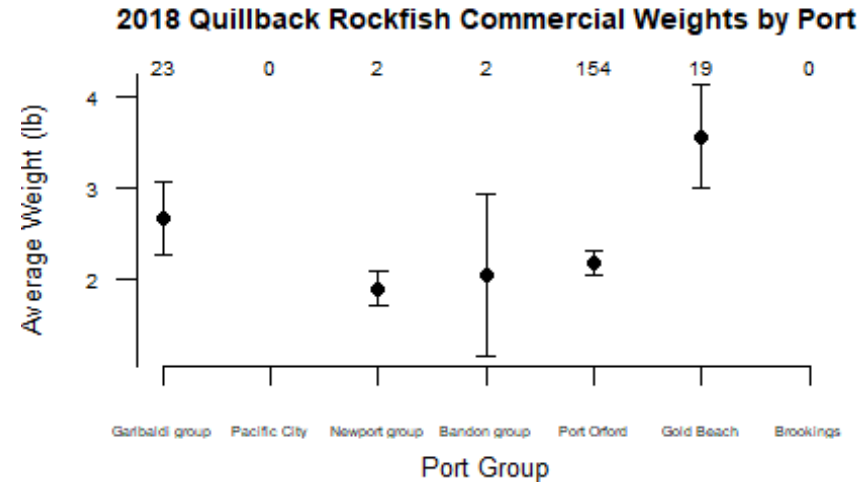
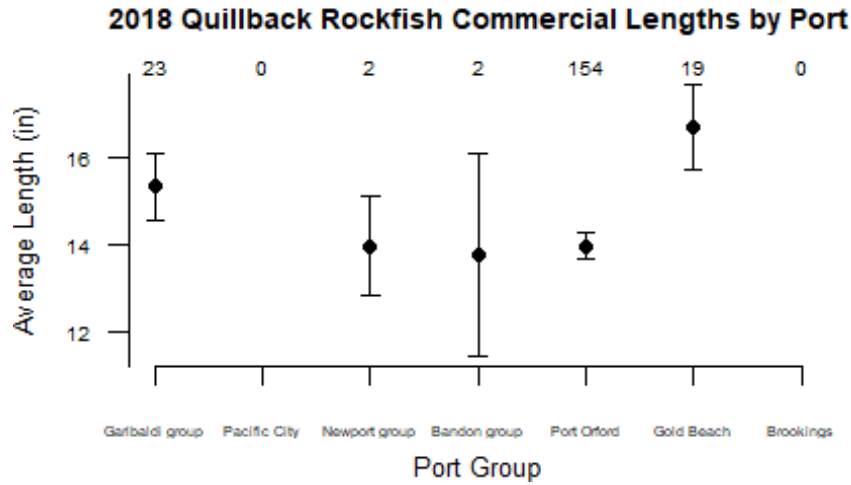


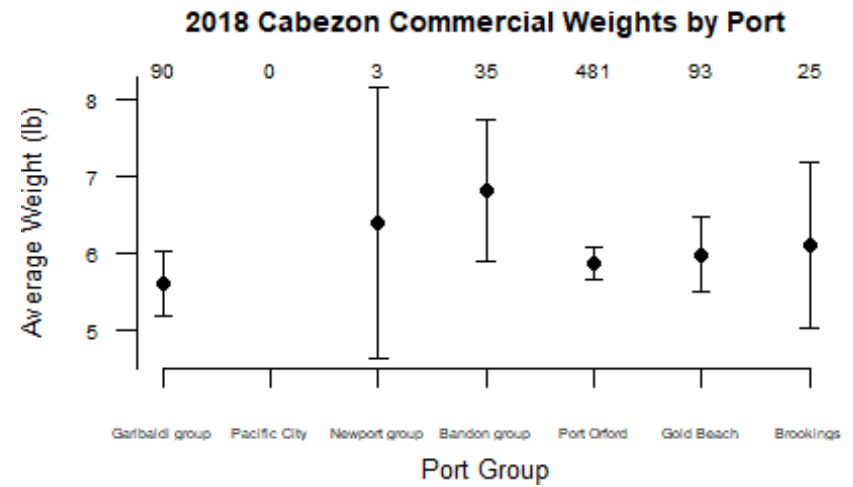
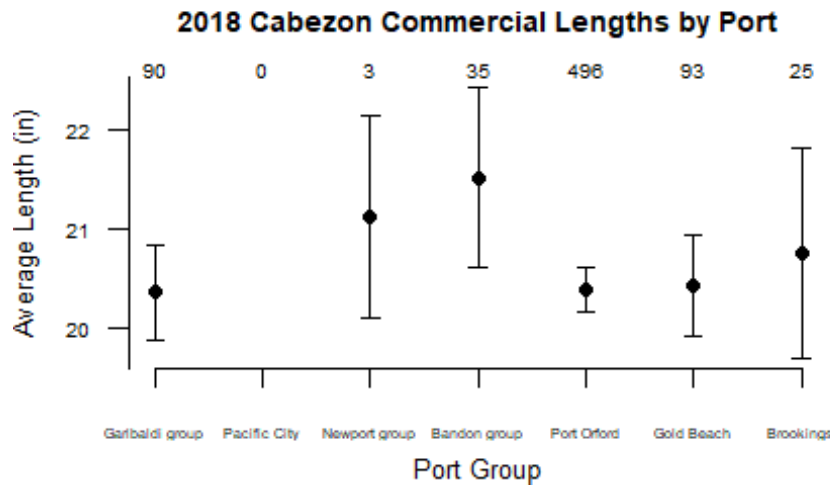
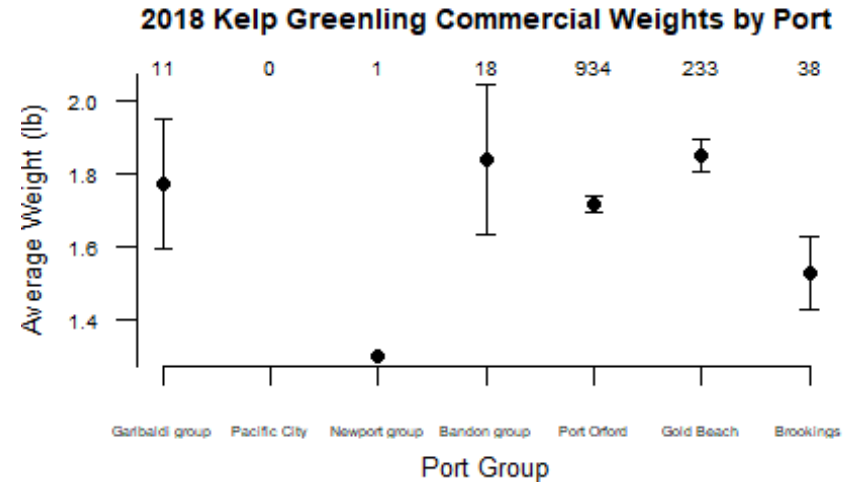
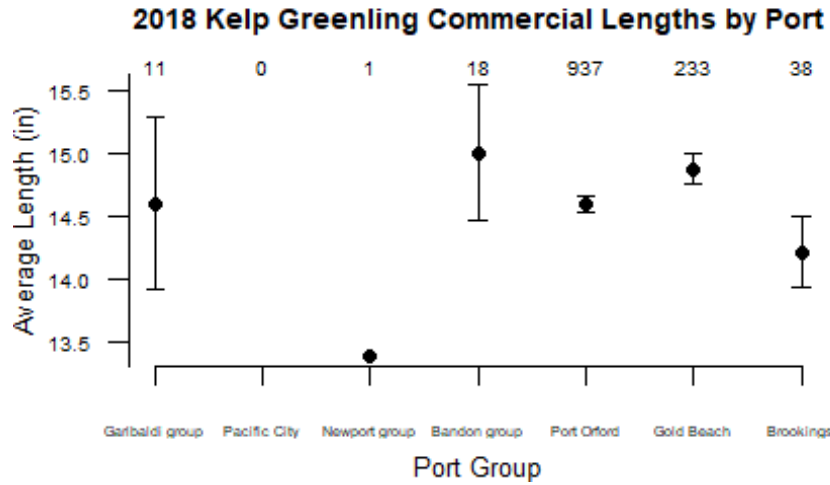


**Appendix D.** 2018 nearshore species commercial length and weight sample averages by port with sample sizes and 95% confidence intervals.

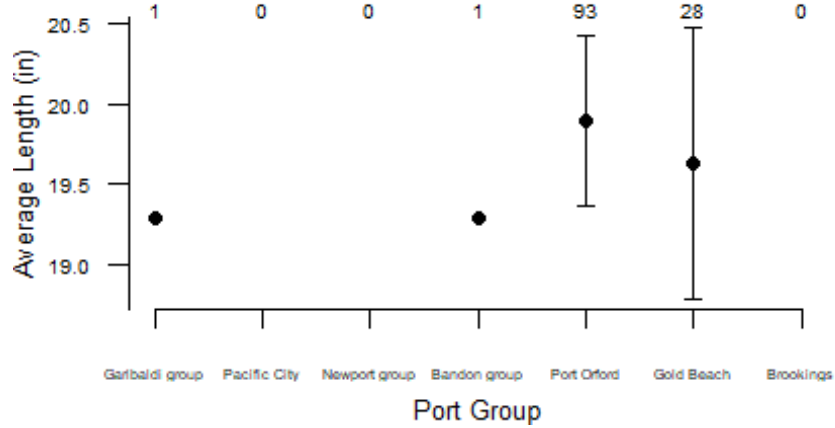




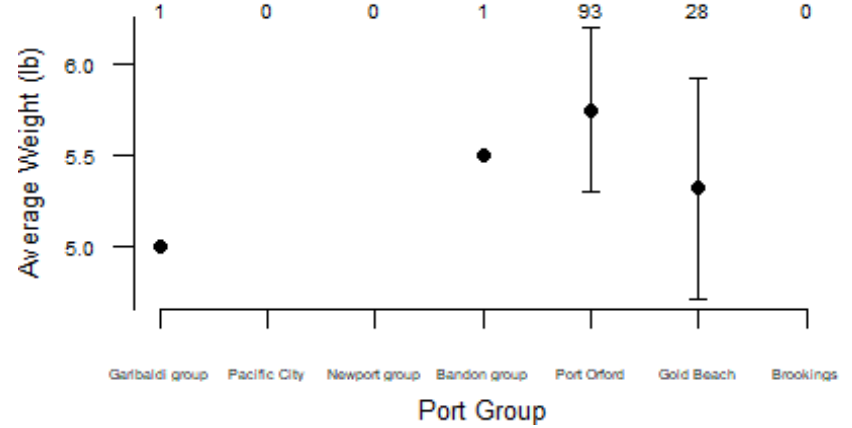




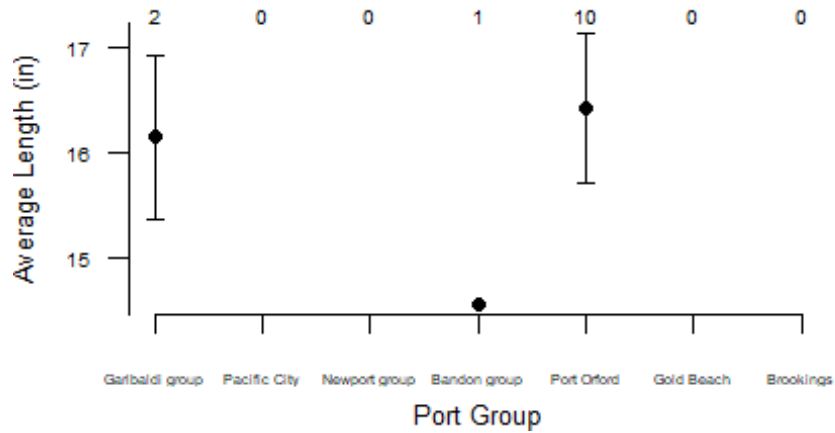
**2018 Vermilion Rockfish Commercial Lengths by Port**



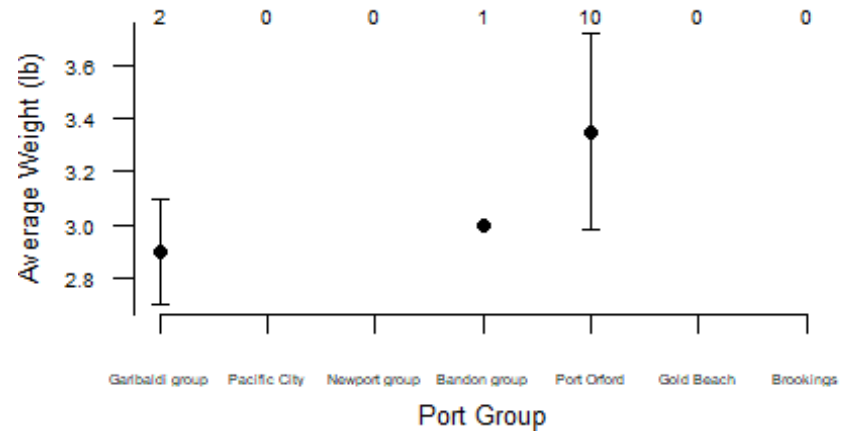
**2018 Vermilion Rockfish Commercial Weights by Port**



**2018 Tiger Rockfish Commercial Lengths by Port**



**2018 Tiger Rockfish Commercial Weights by Port**



Appendix E. 2018 nearshore species commercial length and weight sample averages by gear type with sample sizes (top) and 95% confidence intervals.

